

vertina

TOTAL SECURITY SOLUTION



EMPOWERED BY INNOVATION

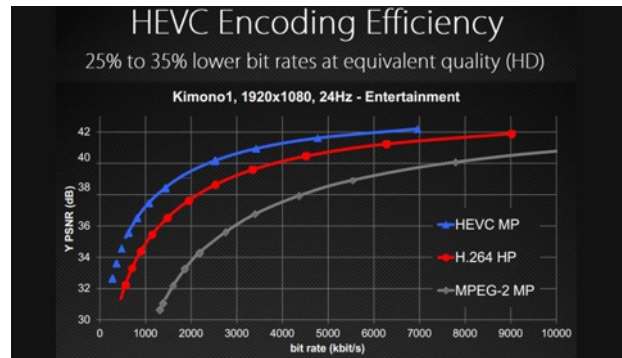


VERTINA COMPANY

Integrated experience, forward thinking, cutting-edge technology, and an energetic team, all hand in hand have been leading an innovative manufacturer of Digital Video Recorder systems in United Kingdom known as Vertina. Driven by customers' and technological trend, Vertina is emerging as a greatly potential power in the thriving global market of CCTV technology.

Vertina produces a wide range of Stand alone, DVRs, NVRs, Hybrids, Turbo HD and IP cameras that are commercially developed and qualified, In just a few years these various Digital Video Recorders have made it a reality to transform invisible technology into smart tools advantaging people's life throughout the world.

Quality, satisfaction and innovation hold the highest priority in Vertina. To do this, we endeavor to : Create and maintain an environment that encourages new thinking on the part of all employees. Provide our customers with products and services of consistently superior quality. Assure that all orders are delivered to customers complete and on time. Grasp latest trend of the industry by active learning and smooth communication with our competitors and partners .



◆ H.265+ / H.265

H.265+ : save 50% bit rate as average
Under the same picture quality (resolution, frame rates) settings:
- Same HDD capacity enables longer time recording
- Same recording period costs less storage capacity



◆ 4K Output

The Vertina 4K Recorder has an HDMI 2.0 output interface. This interface helps to form a comprehensive 4K system that includes 4K camera input, 4K codec, and 4K output. The recorders support 4K output with 3840x2160 of resolution.



◆ ANPR Camera

ANPR (Automatic number plate recognition) is a technology that uses optical character recognition on images to read vehicle registration plates. It can use existing closed-circuit television, road-rule enforcement cameras or cameras specifically designed for the task.



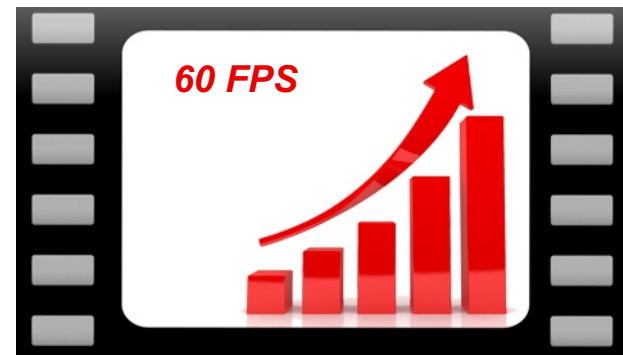
◆ 5 in 1 Technology

HD-TVI "Hybrid" recorders accept a limited number of IP video inputs. HD-TVI recorders accept HD-TVI, ANALOG, HD-CVI, AHD and IP cameras, offering greater flexibility when it comes to your security applications.



◆ Longer Transmission

Transmit HD video up to 1200m over RG59 cabling, 12 times more than the distance of IP systems. HD-TVI offers the longest distance transmission over RG59 coax and lower quality cabling. This makes HD-TVI the ideal HD format for long distance installations with longer cable runs.



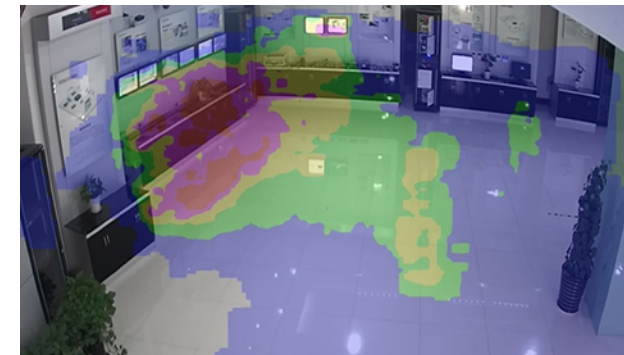
◆ Up to 60fps

Certain applications require detailed surveillance, such as cash handling areas. Vertina's ANPR camera with its high frame rate in HD/Full HD resolution can capture detailed images with supreme image quality.



◆ Face Detection

Face detection is an advanced technology. It can identifies a person by scanning and recognizing their frontal facial structure. It is typically based on Genetic Algorithm and Eigen-face techniques. The system identifies faces through detecting eyes and areas around eyes.



◆ Heat Map

Heat Map support movement path record which provides statistical references for hot area analysis up to 20 channels live view at the same time. Using color to indicate the passenger density, support 10 colors.



◆ Intrusion Detection

In the case of intrusion detection, the camera simultaneously auto triggers the alarm and event recoding. applying the latest algorithms, it automatically analyzes the intruders' dimension ratio to reduce false alarms. these features are extremely beneficial for defined area protection.



◆ People Counting

This series supports counting of individuals via a defined area. Additionally, a statistical report is generated to help end users better evaluate their customer flow data and trends.



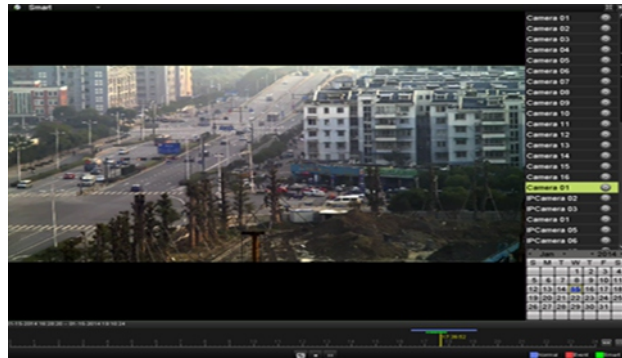
◆ Line Crossing

This functions can detect objects such as persons or vehicles crossing a defined virtual line. It is an ideal solution for monitoring entrances, parking lots or other limited areas.



◆ ROI Codec

Based on user-defined ROI (Region of Interest), the camera can decrease a non-ROI's image quality to save maximum bandwidth and storage, thereby transmitting data on ROIs more intelligently. The ROI data is therefore able to include greater details and better image quality under the same bit rate streaming conditions.



◆ Smart Playback

These smart NVRs use smart technology to increase playback efficiency and play video footage at different speeds. It means both normal and 16x additionally, Vertina's smart NVR series makes searching through recorded data a far more efficient endeavor with three different video search.



◆ Smart IR

Smart IR is a technology built into some security cameras that adjusts the intensity of the camera's infrared LEDs to compensate for the distance of an object so that the infrared does not overexpose the object.



◆ Defog

Cameras in outdoor areas often have to contend with adverse weather conditions and unfavorable atmospheric conditions. Fog, drizzle, smog or smoke can affect the image quality to the extent of making it unrecognizable.



◆ Smart Tracking

The Smart Tracking function is an innovative technology for PTZ dome camera. It increases the effectiveness of surveillance systems in places where the occasional presence of people or vehicles requires special attention after working hours, such as at bank vaults, hotel corridors, parking garages and office building.



◆ 120dB WDR

With super high dynamic range (120 dB), Vertina's unique WDR technology brings out the cameras powerful light-handling ability in producing crystal clear images even under extremely strong backlight conditions.



◆ P-Iris

P-Iris is an innovative solution that truly allows a camera particularly a megapixel to perform optimally in all lighting conditions. It enables the delivery of crisp, high-resolution images with good depth of field. It can also avoid diffraction in bright situations.



◆ Low Light

The newest generation of Vertina low light technology allows excellent visibility even in extremely dim lighting conditions, and dedicated to improve the megapixel camera's overall ability in dim light conditions which can bring more values to end-users surveillance system.



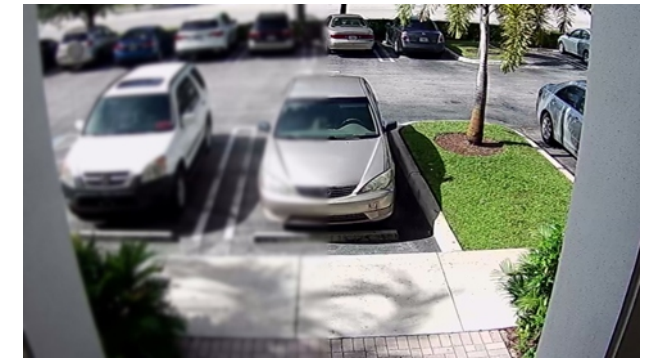
◆ Triple Streams

Triple streams give greater flexibility to users by allowing different data streams to be sent simultaneously, and each for independent purposes: main stream (full resolution) sub stream (low resolution) 3rd stream (flexible choice, full, low or dynamic resolution)



◆ Audio Detection

Vertina products can detect and analyze ambient sound or any sound surge to trigger an alarm when an unrecognized voice occurs. Furthermore, it can also filter out background noise interference and detect any audio stream exceptions.



◆ Low Bit rate

By applying and advanced codec algorithm, Vertina's camera encodes at maximum efficiency and further minimizes the systems load and storage requirement. For example, at a very low bit rate streaming condition, such as 2Mbps at 720p resolution, and the image quality up to 30%



◆ Low Stream Latency

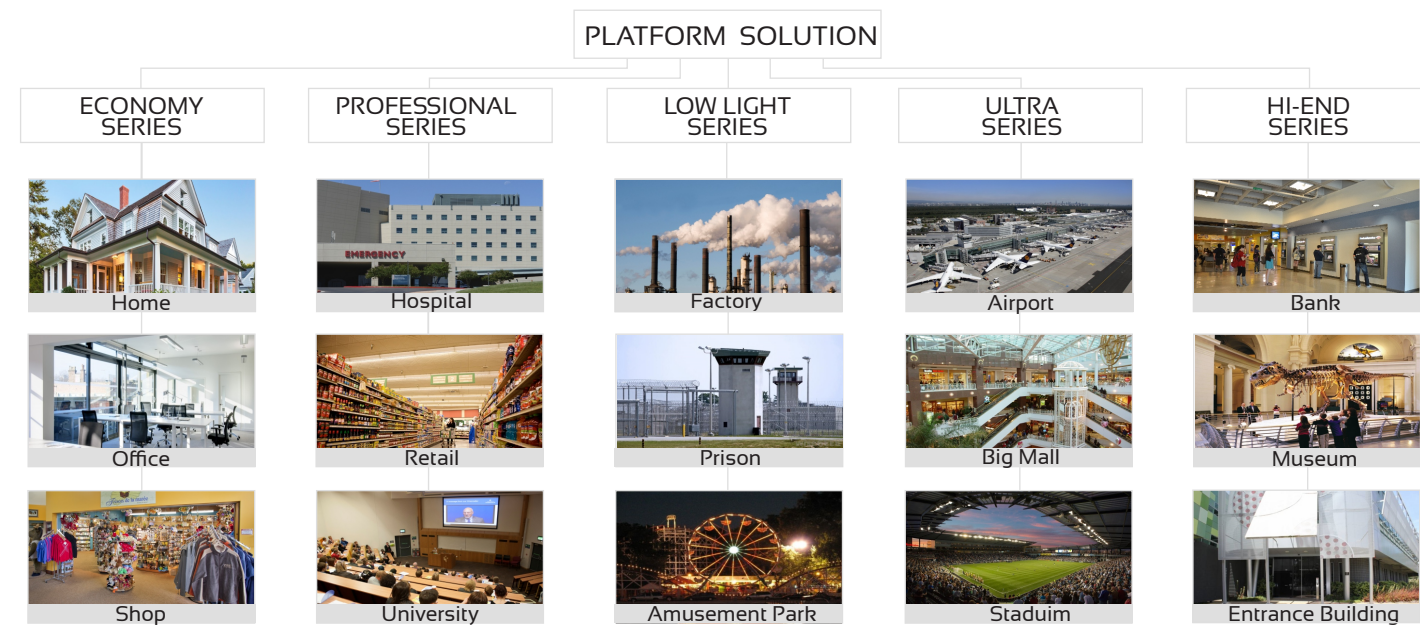
In the video, latency is the amount of time between the instant a frame is captured and the instant that frame is displayed. Low latency is a design goal for any system where there is real-time interaction with the video content, such as video conferencing or drone piloting.



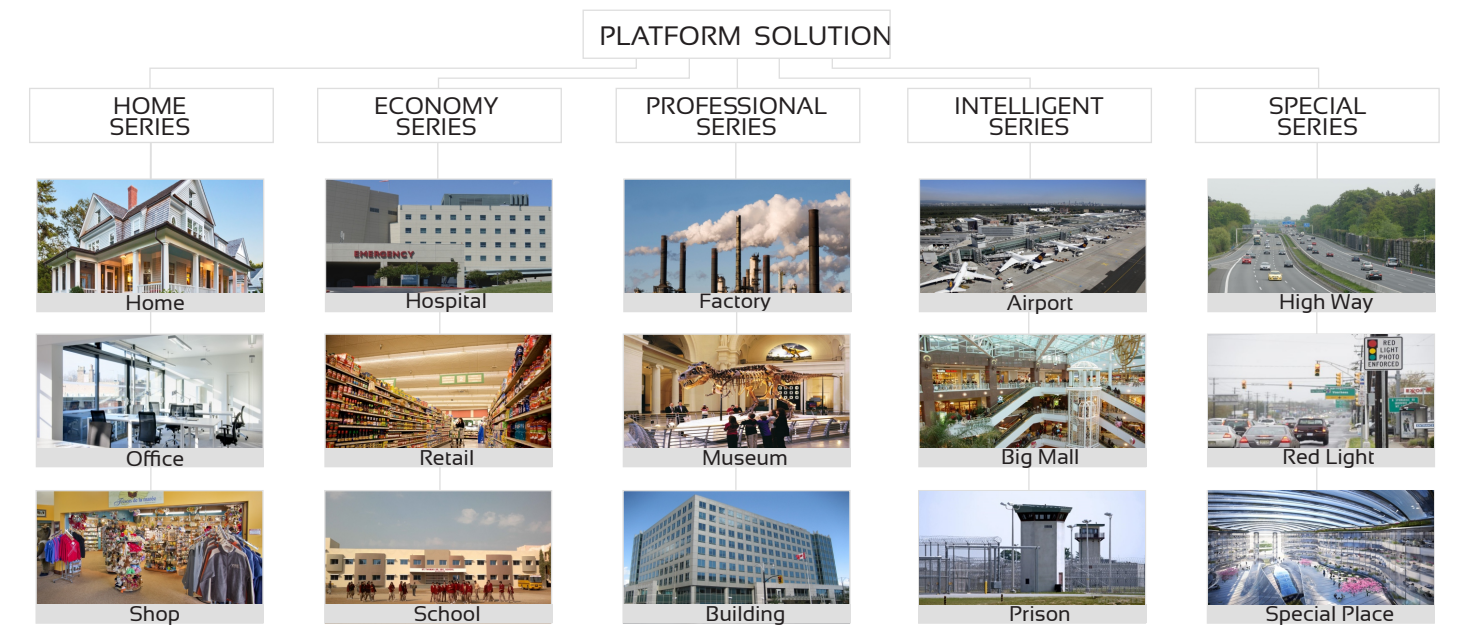
◆ High PoE

Power over Ethernet (PoE) is a technology which allows IP cameras to be powered using the same standard Ethernet cable which carries the data connection.

HD-TVI SURVEILLANCE SOLUTION

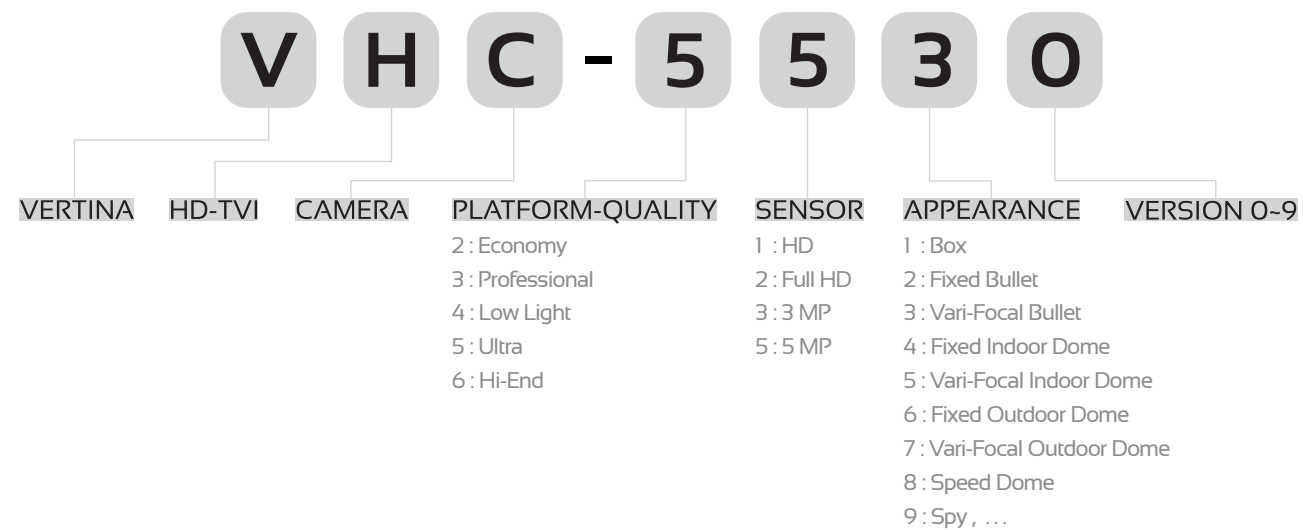


NETWORK SURVEILLANCE SOLUTION

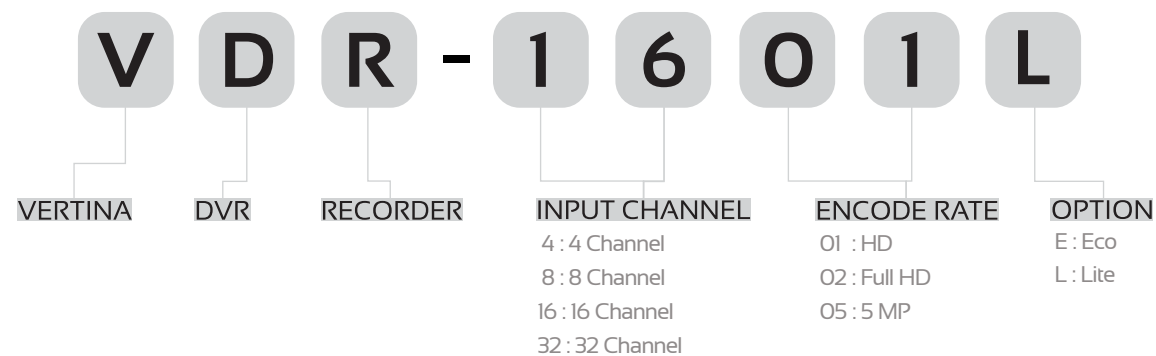


HD-TVI PRODUCT NUMBERING RULE

CAMERA

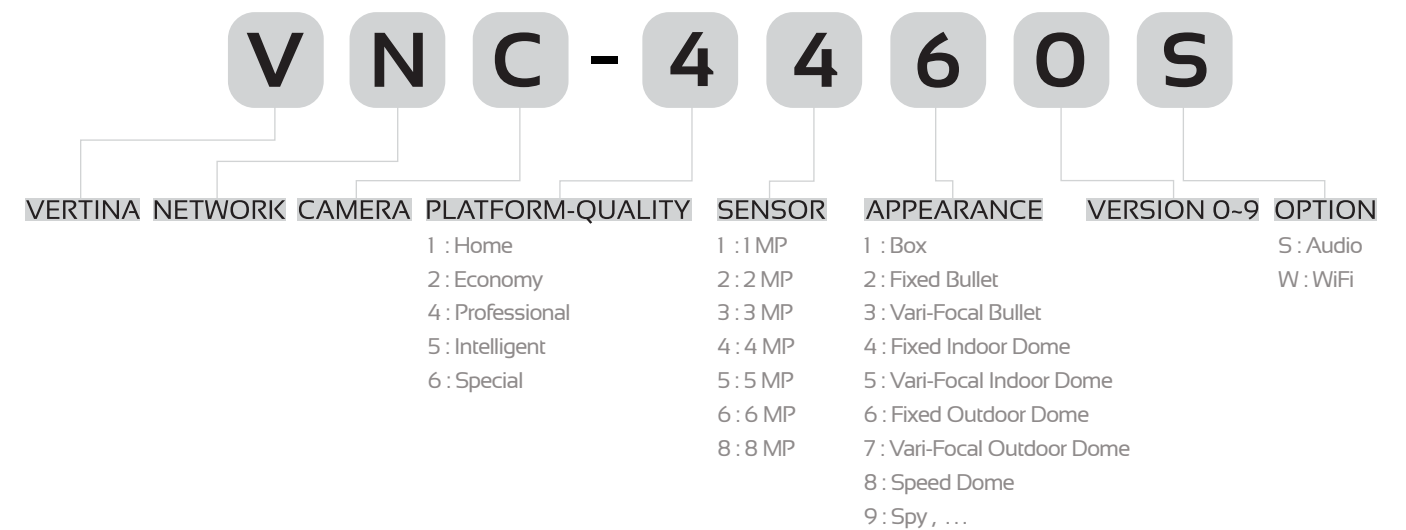


DIGITAL VIDEO RECORDER

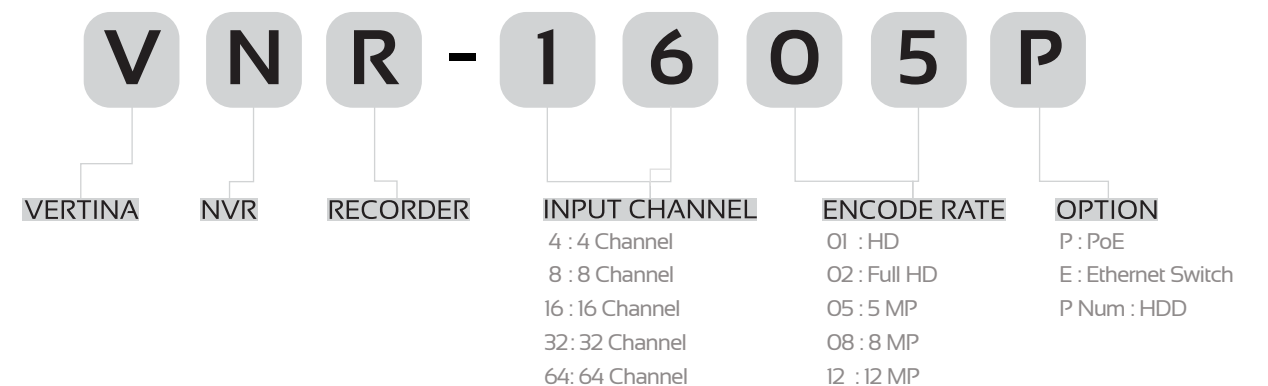


NETWORK PRODUCT NUMBERING RULE

CAMERA



NETWORK VIDEO RECORDER



PRODUCT LINE UP

VHC-5540	HD-TVI / 5MP IR Fisheye Compact Camera	011		VHC-4222	HD-TVI / 2MP Low-Light EXIR Bullet Camera	030		VDR-1605Plus VDR-805Plus/VDR-405Plus	HD-TVI / 16 - 8 - 4 Ch. 5MP Turbo HD DVR	049	
VHC-4280	HD-TVI / FULL HD1080p 30x IR PTZ Camera	012		VHC-4221	HD-TVI / 2MP Low-Light EXIR Bullet Camera	031		VDR-1602Plus VDR-802Plus/VDR-402Plus	HD-TVI / 16 - 8 - 4 Ch. 2MP Turbo HD DVR	050	
VHC-2280 VHC-2180	HD-TVI / FULL HD1080p 23x IR PTZ Camera	013		VHC-4220	HD-TVI / 2MP Low-Light EXIR Bullet Camera	032		VDR-1601Plus VDR-801Plus/VDR-401Plus	HD-TVI / 16 - 8 - 4 Ch. 1MP Turbo HD DVR	051	
VHC-5530	HD-TVI / 5MP Motorized VF EXIR Bullet Camera	014		VHC-4260	HD-TVI / 2MP Low-Light EXIR Eyeball Camera	033		VDR-1601E VDR-801E/VDR-401E	HD-TVI / 16 - 8 - 4 Ch. 1MP Turbo HD DVR	052	
VHC-5522	HD-TVI / 5MP EXIR Bullet Camera	015		VHC-5230	HD-TVI / FULL HD 1080p Vari-focal IR Bullet Camera	034		VDR-1601L VDR-801L/VDR-401L	HD-TVI / 16 - 8 - 4 Ch. 1MP Turbo HD DVR	053	
VHC-5521	HD-TVI / 5MP EXIR Bullet Camera	016		VHC-3220	HD-TVI / FULL HD 1080p EXIR Bullet Camera	035		VNC-6280	NETWORK / 360° Panoramic PTZ Camera	055	
VHC-5520	HD-TVI / 5MP EXIR Bullet Camera	017		VHC-3222	HD-TVI / 2MP IR Bullet Camera	036		VNC-5880L VNC-5880	NETWORK / 8MP Network Laser IR PTZ Camera	056	
VHC-5571	HD-TVI / 5MP Motorized Anti-Vandal Dome Camera	018		VHC-6271	HD-TVI / FULL HD 1080p Anti Vandal Dome Camera	037		VNC-5380	NETWORK / 3MP High Frame Rate PTZ Camera	057	
VHC-5570	HD-TVI / 5MP Motorized VF EXIR Turret Camera	019		VHC-6270	HD-TVI / FULL HD 1080p Vari-focal Turret Camera	038		VNC-4285	NETWORK / 2MP Network IR PTZ Dome Camera	058	
VHC-5561	HD-TVI / 5MP EXIR Turret Camera	020		VHC-5270	HD-TVI / FULL HD 1080p Vari-focal Turret Camera	039		VNC-2281	NETWORK / 2MP Network IR PTZ Dome Camera	059	
VHC-5560	HD-TVI / 5MP EXIR Turret Camera	021		VHC-3260	HD-TVI / FULL HD 1080p IR Turret Camera	040		VNC-2380	NETWORK / 3MP Network Mini PTZ Dome Camera	060	
VHC-6330	HD-TVI / 3MP Motorized VF EXIR Bullet Camera	022		VHC-3240	HD-TVI / 2MP IR Turret Camera	041		VNC-2280	NETWORK / 2MP Network Mini PTZ Dome Camera	061	
VHC-6320	HD-TVI / 3MP WDR EXIR Bullet Camera	023		VHC-3130	HD-TVI / TURBO HD 720p IR Bullet Camera	042		VNC-5810	NETWORK / 4K Smart Box Camera	062	
VHC-3222	HD-TVI / 3MP EXIR Bullet Camera	024		VHC-2120	HD-TVI / TURBO HD 720p IR Bullet Camera	043		VNC-5610 VNC-5310	NETWORK / 6MP & 3MP Day & Night Box Camera	063	
VHC-3321	HD-TVI / 3MP EXIR Bullet Camera	025		VHC-4170	HD-TVI / Turbo HD 720p Vari-focal IR Turret Camera	044		VNC-5835	NETWORK / 4K Motorized Network Bullet Camera	064	
VHC-3320	HD-TVI / 3MP EXIR Bullet Camera	026		VHC-2160	HD-TVI / Turbo HD 720p IR Turret Camera	045		VNC-5826	NETWORK / 4K Network Bullet Camera	065	
VHC-6371	HD-TVI / 3MP Motorized Anti-Vandal Dome Camera	027		VDR-402	HD-TVI / 4 Channel Mobile Turbo HD DVR	046		VNC-5875	NETWORK / 4K Motorized Network Turret Camera	066	
VHC-6370	HD-TVI / 3MP Motorized VF EXIR Turret Camera	028		VDR-3208P8 VDR-3208P4	HD-TVI / 32 Channel 2MP Turbo HD DVR	047		VNC-5865	NETWORK / 4K Network Turret Camera	067	
VHC-3360	HD-TVI / 3MP EXIR Turret Camera	029		VDR-1605FPlus VDR-805FPlus/VDR-405FPlus	HD-TVI / 16 - 8 - 4 Ch. 5MP Turbo HD DVR	048		VNC-5535	NETWORK / 5MP Motorized Network Bullet Camera	068	

PRODUCT LINE UP

VNC-5525	NETWORK / 5MP Network Bullet Camera	069		VNC-4420	NETWORK / 4MP Mini Bullet Network Camera	088		VNC-6220	NETWORK / Thermal Optical Bi-spectrum Bullet	107	
VNC-5575	NETWORK / 5MP Motorized Network Bullet Camera	070		VNC-4470	NETWORK / 4MP Vari-focal Dome Network Camera	089		VNC-6640	NETWORK / 6MP Compact Fisheye Network Camera	108	
VNC-5565	NETWORK / 5MP Network Bullet Camera	071		VNC-4462	NETWORK / 4MP EXIR Turret Network Camera	090		VNC-6545	NETWORK / 5MP Compact Fisheye Network Camera	109	
VNC-5810	NETWORK / 3MP Ultra Low Light Network Bullet Camera	072		VNC-4461	NETWORK / 4MP Dome Network Camera	091		VNC-6860	NETWORK / Multi-Sensor Panoramic Dome Camera	110	
VNC-5610 VNC-5310	NETWORK / 3MP Ultra Low Light Network Bullet Camera	073		VNC-4460	NETWORK / 4MP Mini Dome Network Camera	092		VNC-4190	NETWORK / 10MP WDR Pinhole Network Camera	111	
VNC-5325	NETWORK / 3MP Ultra Low Light Network Bullet Camera	074		VNC-2230	NETWORK / 2MP Bullet Network Camera	093		SERVER STATION PRO	NETWORK / 256 - 128 Ch. Connected Cameras	112	
VNC-5375	NETWORK / 3MP Ultra Low Light Network Bullet Camera	075		VNC-2220 VNC-2120	NETWORK / 2MP & 1.3MP IR Bullet Network Camera	094		SERVER STATION	NETWORK / 32 - 16 Ch. Connected Cameras	113	
VNC-5365	NETWORK / 2MP Ultra Low Light Network Turret Camera	076		VNC-2260 VNC-2160	NETWORK / 2MP & 1.3MP IR Dome Network Camera	095		VNR-6412PI6 VNR-3212PI6	NETWORK / 64 - 32 Ch. 4K Embedded NVR	114	
VNC-5235	NETWORK / 2MP Ultra Low Light Network Bullet Camera	077		VNC-1595 VNC-1395	NETWORK / 5MP & 3MP Cube Network Camera	096		VNR-3212P4 VNR-1612P4	NETWORK / 32 - 16 Ch. 4K Embedded NVR	115	
VNC-5226	NETWORK / 2MP Ultra Low Light Network Bullet Camera	078		VNC-1490	NETWORK / 4MP WDR Cube Network Camera	097		VNR-1608 VNR-808/VNR-408	NETWORK / 16 / 8 / 4 Ch. 8MP Embedded NVR	116	
VNC-5225	NETWORK / 2MP Ultra Low Light Network Bullet Camera	079		VNC-6710	NETWORK / 7MP Intelligent Traffic System Camera	098		VNR-1605P VNR-805P/VNR-405P	NETWORK / 16 / 8 / 4 Ch. 5MP Embedded NVR	117	
VNC-5275	NETWORK / 2MP Ultra Low Light Network Turret Camera	080		VNC-6610 VNC-6210	NETWORK / 6 & 2MP Intelligent Traffic System Camera	099		VNR-1605E VNR-805E/VNR-405E	NETWORK / 16 / 8 / 4 Ch. 5MP Embedded NVR	118	
VNC-5265	NETWORK / 2MP Ultra Low Light Network Turret Camera	081		VNC-6226	NETWORK / 2 MP ANPR Low Light Bullet Camera	100		VNR-1605 VNR-805/VNR-405	NETWORK / 16 / 8 / 4 Ch. 5MP Embedded NVR	119	
VNC-4533	NETWORK / 5MP EXIR Bullet Network Camera	082		VNC-6225	NETWORK / 2 MP ANPR Low Light Bullet Camera	101		VNR-802 VNR-402	NETWORK / 8 - 4 Ch. Mobile NVR	120	
VNC-4530	NETWORK / 5MP Bullet Network Camera	083		VNC-6285	NETWORK / 2 MP Anti Corrosion PTZ Camera	102		VIEWNET3500PLUS	SOFTWARE / (CMS) Central Management Server	121	
VNC-4522	NETWORK / 5MP EXIR Bullet Network Camera	084		VNC-6430	NETWORK / 4MP Anti Corrosion Bullet Camera	103		VPS-24100/VPS-16100 VPS-8100/VPS-4100	ACCESSORIES / 24-16-8-4 ports Unmanaged PoE Switch	122	
VNC-4570	NETWORK / 5MP Dome Network Camera	085		VNC-6230	NETWORK / 2MP Anti Corrosion Bullet Camera	104		VHN-K130	ACCESSORIES / Network Keyboard Control	123	
VNC-4430	NETWORK / 4MP Vari-focal Bullet Network Camera	086		VNC-6270	NETWORK / 2 MP Anti Corrosion Dome Camera	105					
VNC-4423	NETWORK / 5MP EXIR Bullet Network Camera	087		VNC-6288	NETWORK / Thermal Optical Bi-spectrum PTZ	106					



HD-TVI PRODUCTS

HD-TVI CAMERA / ULTRA SERIES

5MP IR Fisheye Camera

VHC-5540



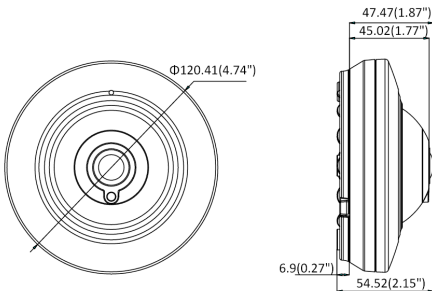
Key Features

- 5 Megapixel high-performance CMOS
- Analog HD output, up to 5MP resolution
- 1.1mm fish eye lens
- IR cut filter with auto switch
- True Day/Night
- Built-in microphone
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function

Technical Specifications

Model No	VHC-5540
Image Sensor	5MP CMOS Image Sensor
Signal System	PAL / NTSC
Effective Pixels	2592 (H) × 1944 (V)
Min. Illumination	0.01 Lux @ (F1.2,AGC ON), 0 Lux with IR
Shutter speed	1/12.5s to 1/20,000s
Lens	1.1mm
Lens Mount	M 12
Angle Adjustment	Pan: 0°-30°; Tilt:0°; Rotate: 0°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	5MP @ 12.5 fps
HD Video Output	1 Analog HD output
Audio In	Built-in Mic
Audio Out	1-ch, BNC Output, (Output Impedance: 1KΩ)
Mounting Type	Ceiling/Wall
Ceiling Mounting Display Mode	Default, Panorama, 4 PTZ, Fisheye & 3 PTZ, Annular Mini-fisheye & 1 PTZ, Annular & 2 PTZ
Wall Mounting Display Mode	Default, Panorama, 4 PTZ, Fisheye & 3 PTZ Panorama & 3 PTZ
D/N Mode	Color/BW/AUTO
Functions	Brightness, contrast, saturation, sharpness
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±30%
Power Consumption	Max. 6W
IR Range	Up to 10-20m
Communication	Up the coax
Dimensions	164 x 152.8 x 43.8mm (6.46" x 6.02" x 1.72")
Weight	Approx. 1500 g

Dimensions



HD-TVI CAMERA / PTZ SERIES

FULL HD1080p 30x IR Speed Dome Camera

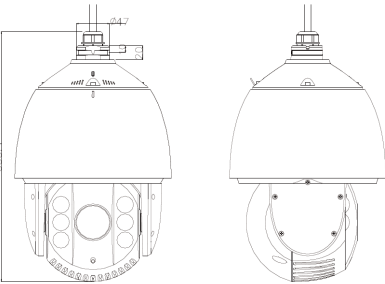
VHC-4280



Key Features

- 0 Lux minimum illumination
- Up to 120m IR distance
- 1/3" high performance CMOS up to 1920x1280 resolution
- 3D intelligent positioning function
- IP66 standard
- RS-485 communication diagnosis
- UTC(Up the Coax) function
- Privacy masks programmable
- 3D DNR, digital WDR
- 8 patrols, up to 32 presets per patrol

Dimensions



Technical Specifications

Model No	VHC-4280
Image Sensor	1/3" CMOS Image Sensor
Max. Image Resolution	1920×1080
Frame Rate	50Hz:25fps(1920×1080) / 60Hz:30fps(1920×1080)
Min. Illumination	Color : 0.02Lux@(F1.6) B/W : 0.002Lux@(F1.6)
White Balance	Auto / Manual / ATW / Indoor / Outdoor
Shutter Time	PAL : 1-1/10,000s / NTSC: 1-1/10,000s
S / N Ratio	≥ 50dB
Functions	3D DNR / DWDR / BLC / ICR / AGC
Digital Zoom	16x
Privacy Mask	8 privacy masks programmable; a maximum of 8 zones can be masked simultaneously on the same video screen
Focus Model	Auto / Semiautomatic / Manual
Focal Length	4-120mm, 30X
Zoom Speed	Approx.3.0s (Optical Wide-Tele)
Angle of View	58-1.7 degree (Wide-Tele)
Min. Working Distance	10-1500mm (Wide-Tele)
Aperture	F1.6-F4.4
Pan Range	360° endless
Pan Speed	Pan Manual Speed: 0.1°-160°/s, Pan Preset Speed: 240°/s
Tilt Range	-15°-90° (Auto Flip)
Tilt Speed	Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 200°/s
Proportional Zoom	Rotation speed can be adjusted automatically according to zoom multiples
Number of Preset	256
Patrol	8 patrols, up to 32 presets per patrol
Pattern	4 patterns, with the total recording time not less than 10 minutes
Park Action	Preset / Patrol / Pattern / Pan scan / Tilt scan Frame Scan / Random scan / Panorama scan
PTZ Position Display	On / Off
RS-485 communication	Support
IR Distance	120 m
IR Intensity	Automatically adjusted
Monitor Output	1 Turbo HD1080p output
UTC function	Support
Language	English
Power supply	24VAC Max. 30W(IR: 9W, Heater: 6W)
Temperature/Humidity	-30°C ~ +65°C / 90% or less
Protection Level	IP66 standard
Dimensions	Φ220×353.4mm (Φ8.66"×13.91")
Weight	4.5kg(9.92 lbs)

HD-TVI CAMERA / PTZ SERIES

FULL HD1080p 23x IR Speed Dome Camera

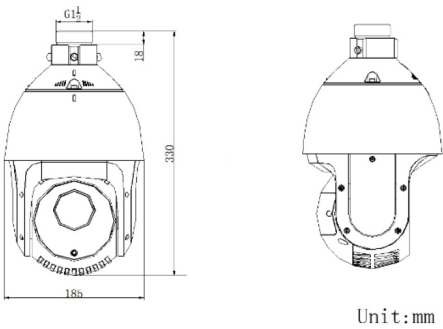
VHC-2280 / VHC-2180



Key Features

- 1/3" Progressive Scan CMOS
- 1920x1080 / 1280x720
- 23X Optical Zoom
- Digital Wide Dynamic Range
- 3D intelligent positioning function
- Up to 150m IR distance
- UTC(Up the Coax) function
- Privacy masks programmable

Dimensions



Technical Specifications

Model No	VHC-2280 VHC-2180
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Color: 0.05Lux@(F1.4); B/W: 0.005Lux@(F1.4)
Max. Image Resolution	VHC-2280 : 1920 x 1080 VHC-2180 : 1280 x 720
Focal Length	4-92.0mm, 23x
Digital Zoom	16X
Zoom Speed	Approx.3s(Optical Wide-Tele)
Angle of View	49-2.2 degree(Wide-Tele)
Min. Working Distance	10-1,000mm(Wide-Tele)
Aperture Range	F1.4-F3.5
Focus Mode	Auto / Semiautomatic / Manual
DWDR	Support
S / N Ratio	≥ 50dB
Shutter Time	1-1/10,000s
AGC	Auto / Manual
White Balance	Auto / Manual / ATW / Indoor / Outdoor
Day & Night	IR Cut Filter
Privacy Mask	8 privacy masks programmable; a maximum of 8 zones can be masked simultaneously on the same video screen
Enhancement	3D DNR
Range	Pan:360° endless; Tilt: -15°-90°(Auto Flip)
Speed	Pan Manual : 0.1°-400°/s, Pan Preset : 400°/s Tilt Manual : 0.1°-120°/s, Tilt Preset : 200°/s
Number of Preset	256
Patrol	8 patrols, up to 32 presets per patrol
Park Action	Preset / Patrol / Pattern / Pan scan Tilt scan / Panorama scan
RS-485 communication	Support
IR Distance	Up to 150m
IR Intensity	Automatically adjusted
Turbo HD Output	1 turbo HD720P/1080P output, BNC
CVBS Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
Alarm Input/Output	2 / 1
UTC function	Support
Language	English
Power supply	24VAC, Max.24W (Heater On),Max. 18W(Heater Off)
Temperature / Humidity	-30°C ~ +65°C / 90% or less
Protection Level	IP66 standard
Dimensions	Φ185×330mm (Φ7.28"×12.99")
Weight	4Kg (8.8lbs)

5MP Motorized VF EXIR Bullet Camera

VHC-5530

Technical Specifications

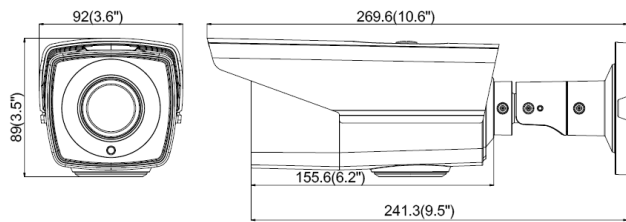
Model No	VHC-5530
Image Sensor	5MP CMOS Image Sensor
Signal System	PAL / NTSC
Effective Pixels	2592 (H) × 1944 (V)
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter speed	1/25 s to 1/50, 000 s
Lens	2.8 to 12 mm motorized vari-focal lens
Lens Mount	ϕ14
Angle Adjustment	Pan: 0° to 360°; Tilt:0° to 90°; Rotate: 0° to 360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	2592 × 1944 @ 20fps
HD Video Output	1 Analog HD output
S / N Ratio	>62dB
AGC	Support
D/N Mode	Auto/Color/BW (Black and White)
White Balance	ATW/MWB
BLC	Support
SMART IR	Support
Digital Noise Reduction	Support
Mirror	Support
Language	English
Working Temperature	-40°C ~ +60°C
Humidity	Humidity 90% or less (non-condensing)
Power Supply	12 V DC ±20%
Power Consumption	Max. 6W
Weather Proof Ratings	IP 67
IR Range	Up to 40m
Communication	Up the coax
Dimensions	92 mm × 84.8 mm × 269.6 mm(3.62" × 3.34" × 3.34")
Weight	Approx. 900 g (1.98 lb.)



Key Features

- 5 Megapixel high-performance CMOS
- Analog HD output, up to 5MP resolution
- 2.8-12mm motorized vari-focal lens
- EXIR technology, up to 40m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP67 weatherproof

Dimensions



5MP EXIR Bullet Camera

VHC-5522

Technical Specifications

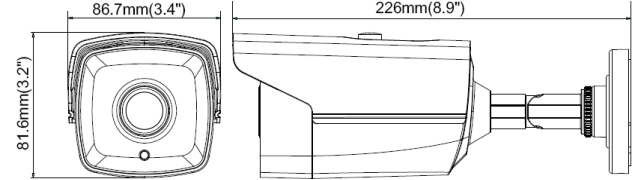
Model No	VHC-5522
Image Sensor	5MP CMOS Image Sensor
Effective Pixels	2592 (H) × 1944 (V)
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter speed	1/25(1/30)s to 1/50,000s
Lens	3.6 mm,6 mm,8 mm,12 mm fixed focal lens
Angle of view	86.5° (2.8 mm), 70.1° (3.6 mm), 46° (6 mm), 32.5° (8 mm), 20.9° (12 mm)
Lens Mount	M 12
Angle Adjustment	Pan:0°-360°;Tilt:0°-90°;Rotate:0°-360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	2592 × 1944 @ 20fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Color/BW/SMART
White Balance	ATW/MWB
BLC	Support
Functions	Sharpness,DNR,Mirror,Bad pixel correction,Smart IR
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±30%
Power Consumption	Max. 5W
Weather Proof Ratings	IP 67
IR Range	Up to 80m
Communication	Up the coax
Dimensions	86.7 mm × 81.6 mm × 226 mm (3.41" × 3.23" × 8.67")
Weight	Approx. 680 g (1.5 lb.)



Key Features

- 5 Megapixel high-performance CMOS
- Analog HD output, up to 5MP resolution
- 3.6mm, 6mm, 8mm, 12mm, 16mm fixed lens
- EXIR technology, up to 80m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP67 weatherproof

Dimensions



5MP EXIR Bullet Camera

VHC-5521

Technical Specifications

Model No	VHC-5521
Image Sensor	5MP CMOS Image Sensor
Effective Pixels	2592 (H) × 1944 (V)
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter speed	1/25(1/30)s to 1/50,000s
Lens	3.6 mm,6 mm,8 mm,12 mm fixed focal lens
Angle of view	86.5° (2.8 mm), 70.1° (3.6 mm), 46° (6 mm), 32.5° (8 mm), 20.9° (12 mm)
Lens Mount	M 12
Angle Adjustment	Pan:0°-360°;Tilt:0°-90°;Rotate:0°-360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	2592 × 1944 @ 20fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Color/BW/SMART
White Balance	ATW/MWB
BLC	Support
Functions	Sharpness,DNR,Mirror,Bad pixel correction,Smart IR
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±30%
Power Consumption	Max. 5W
Weather Proof Ratings	IP 67
IR Range	Up to 40m
Communication	Up the coax
Dimensions	86.7 mm × 81.6 mm × 226 mm (3.41" × 3.23" × 8.67")
Weight	Approx. 680 g (1.5 lb.)

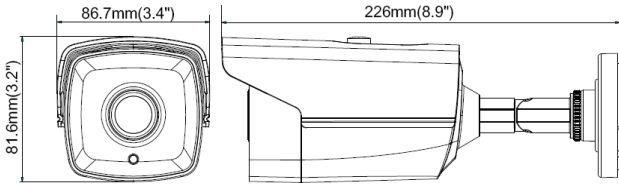


- 5 MP
- Fixed Lens
- Smart EXIR
- ICR
- 3D DNR
- IP 67
- OSD

Key Features

- 5 Megapixel high-performance CMOS
- Analog HD output, up to 5MP resolution
- 3.6mm, 6mm, 8mm, 12mm, 16mm fixed lens
- EXIR technology, up to 40m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP67 weatherproof

Dimensions



5MP EXIR Bullet Camera

VHC-5520

Technical Specifications

Model No	VHC-5520
Image Sensor	5MP CMOS Image Sensor
Effective Pixels	2592 (H) × 1944 (V)
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter speed	1/25(1/30)s to 1/50,000s
Lens	2.8 mm, 3.6 mm, 6 mm fixed focal lens
Lens Mount	M 12
Angle Adjustment	Pan:0°-360°;Tilt:0°-90°;Rotate:0°-360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	2592 × 1944 @ 20fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Color/BW/SMART
White Balance	ATW/MWB
BLC	Support
Functions	Brightness, Sharpness,Digital noise reduction,Mirror Bad pixel correction, Smart IR
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 V DC ±30%
Power Consumption	Max. 5W
Weather Proof Ratings	IP 66
IR Range	Up to 20m
Communication	Up the coax
Dimensions	58 mm × 61 mm × 163 mm (2.28" × 2.40" × 6.42")
Weight	Approx. 350 g (0.77 lb.)

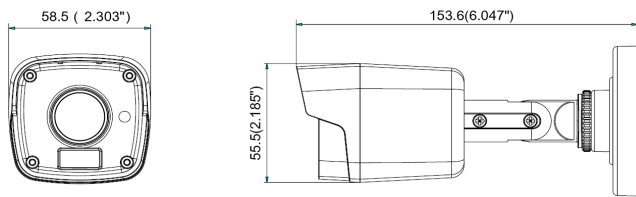


- 5 MP
- Fixed Lens
- Smart EXIR
- ICR
- 3D DNR
- IP 66
- OSD

Key Features

- 5 Megapixel high-performance CMOS
- Analog HD output, up to 5MP resolution
- 2.8mm, 3.6mm, 6mm fixed lens
- EXIR technology, up to 20m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



HD-TVI CAMERA / ULTRA SERIES

5MP Motorized VF Anti-Vandal Dome Camera

VHC-5571

Technical Specifications

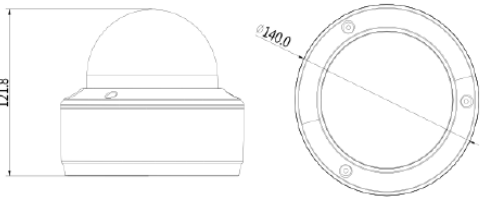
Model No	VHC-5571
Image Sensor	5MP CMOS Image Sensor
Signal System	PAL / NTSC
Effective Pixels	2592 (H) × 1944 (V)
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter speed	1/25 s to 1/50, 000 s
Lens	2.8 to 12 mm motorized vari-focal lens
Lens Mount	φ14
Angle Adjustment	Pan: 0° to 360°; Tilt: 0° to 75°; Rotate: 0° to 360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	2592 × 1944 @ 20fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Color/BW/SMART
White Balance	ATW/MWB
BLC	Support
Anti-flicker	On/Off
Functions	Brightness,Sharpness,Digital noise reduction Mirror, Bad pixel correction, Smart IR
Language	English
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±30%
Power Consumption	Max. 6W
Weather Proof Ratings	IP 67
IR Range	Up to 40m
Communication	Up the coax
Dimensions	134.3 mm × 123.9 mm × 111.4 mm (5.29" × 4.88" × 4.39")
Weight	Approx. 750 g (1.57 lb.)



Key Features

- 5 Megapixel high-performance CMOS
- Analog HD output, up to 5MP resolution
- 2.8-12mm motorized vari-focal lens
- Up to 40m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP67 weatherproof

Dimensions



HD-TVI CAMERA / ULTRA SERIES

5MP Motorized VF EXIR Eyeball Camera

VHC-5570

Technical Specifications

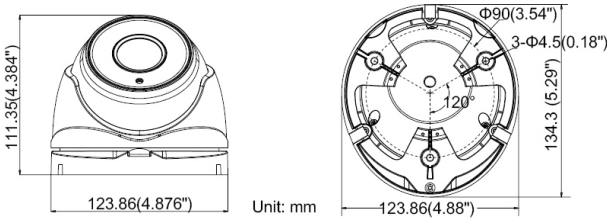
Model No	VHC-5570
Image Sensor	5MP CMOS Image Sensor
Signal System	PAL / NTSC
Effective Pixels	2592 (H) × 1944 (V)
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter speed	1/25 s to 1/50, 000 s
Lens	2.8 to 12 mm motorized vari-focal lens
Lens Mount	φ14
Angle Adjustment	Pan: 0° to 360°; Tilt: 0° to 75°; Rotate: 0° to 360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	2592 × 1944 @ 20fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Color/BW/SMART
White Balance	ATW/MWB
BLC	Support
Anti-flicker	On/Off
Functions	Brightness,Sharpness,Digital noise reduction Mirror, Bad pixel correction, Smart IR
Language	English
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±30%
Power Consumption	Max. 6W
Weather Proof Ratings	IP 67
IR Range	Up to 40m
Communication	Up the coax
Dimensions	134.3 mm × 123.9 mm × 111.4 mm (5.29" × 4.88" × 4.39")
Weight	Approx. 750 g (1.57 lb.)



Key Features

- 5 Megapixel high-performance CMOS
- Analog HD output, up to 5MP resolution
- 2.8-12mm motorized vari-focal lens
- EXIR technology, up to 40m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP67 weatherproof

Dimensions



5MP EXIR Eyeball Camera

VHC-5561



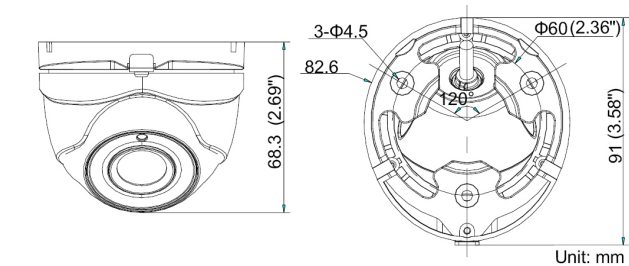
Key Features

- 5 Megapixel high-performance CMOS
- Analog HD output, up to 5MP resolution
- 2.8mm, 3.6mm, 6mm fixed lens
- EXIR technology, up to 40m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP67 weatherproof

Technical Specifications

Model No	VHC-5561
Image Sensor	5MP CMOS Image Sensor
Effective Pixels	2592 (H) × 1944 (V)
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter speed	1/25 s to 1/50,000 s
Lens	2.8 mm, 3.6 mm, 6 mm fixed focal Lens
Angle of View	86.5° (2.8 mm), 70.1° (3.6 mm), 46° (6 mm)
Lens Mount	M 12
Angle Adjustment	Pan: 0° to 360°; Tilt: 0° to 75°; Rotate: 0° to 360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	2592 × 1944 @ 20fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Color/BW/SMART
White Balance	ATW/MWB
BLC	Support
Functions	Brightness, Sharpness,Digital noise reduction,Mirror Bad pixel correction, Smart IR
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±30%
Power Consumption	Max. 5W
Weather Proof Ratings	IP 67
IR Range	Up to 40m
Communication	Up the coax
Dimensions	91 mm × 82.6 mm × 68.3 mm (3.58" × 3.25" × 2.69")
Weight	Approx. 350 g (0.77 lb)

Dimensions



5MP EXIR Eyeball Camera

VHC-5560



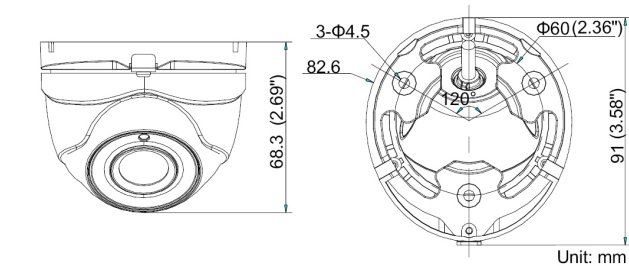
Key Features

- 5 Megapixel high-performance CMOS
- Analog HD output, up to 5MP resolution
- 2.8mm, 3.6mm, 6mm fixed lens
- EXIR technology, up to 20m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP67 weatherproof

Technical Specifications

Model No	VHC-5560
Image Sensor	5MP CMOS Image Sensor
Effective Pixels	2592 (H) × 1944 (V)
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter speed	1/25 s to 1/50,000 s
Lens	2.8 mm, 3.6 mm, 6 mm fixed focal Lens
Angle of View	86.5° (2.8 mm), 70.1° (3.6 mm), 46° (6 mm)
Lens Mount	M 12
Angle Adjustment	Pan: 0° to 360°; Tilt: 0° to 75°; Rotate: 0° to 360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	2592 × 1944 @ 20fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Color/BW/SMART
White Balance	ATW/MWB
BLC	Support
Functions	Brightness, Sharpness,Digital noise reduction,Mirror Bad pixel correction, Smart IR
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±30%
Power Consumption	Max. 5W
Weather Proof Ratings	IP 67
IR Range	Up to 20m
Communication	Up the coax
Dimensions	91 mm × 82.6 mm × 68.3 mm (3.58" × 3.25" × 2.69")
Weight	Approx. 350 g (0.77 lb)

Dimensions



3MP Motorized VF EXIR Bullet Camera

VHC-6330

Technical Specifications

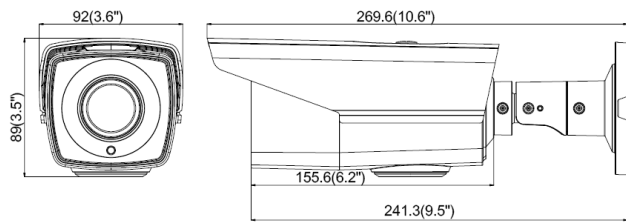


Model No	VHC-6330
Image Sensor	3MP CMOS Image Sensor
Signal System	PAL / NTSC
Effective Pixels	2052(H)*1536 (V)
Min. Illumination	0.01 Lux @ (F1.2,AGC ON), 0 Lux with IR
Shutter speed	1/25s to 1/50,000s
Lens	Motorized VF lens; 2.8 - 12 mm @ F1.2
Lens Mount	φ14
Angle Adjustment	Pan:0°-360°;Tilt:0°-90°;Rotate:0°-360°
Day & Night	ICR
Synchronization	Internal synchronization
WDR	120dB
Video Frame Rate	1920 x 1536 @18fps , 1920 x 1080 @25fps
HD Video Output	1 Analog HD output
S / N Ratio	>62dB
AGC	Support
D/N Mode	Color/BW/SMART
White Balance	ATW/MWB
BLC	Support
SMART IR	Support
Digital Noise Reduction	Support
Mirror	Support
Language	English
Working Temperature	-40°C ~ +60°C
Humidity	Humidity 90% or less (non-condensing)
Power Supply	12 VDC±15%; -A: 12 VDC/24 VAC±15%
Power Consumption	Max. 6W
Weather Proof Ratings	IP 66
IR Range	Up to 40m
Communication	Up the coax
Dimensions	92mm×84.8mm×269.6mm (3.62"×3.34"×3.34")
Weight	Approx. 900g (1.98lb)

Key Features

- 3 Megapixel high-performance CMOS
- Analog HD output, up to 3MP resolution
- 2.8-12mm motorized vari-focal lens
- True WDR, up to 120dB
- EXIR technology, up to 40m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



3MP WDR EXIR Bullet Camera

VHC-6320

Technical Specifications

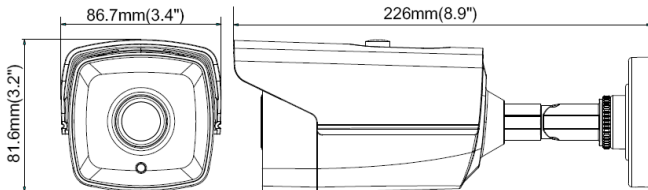


Model No	VHC-6320
Image Sensor	3MP CMOS Image Sensor
Signal System	PAL / NTSC
Effective Pixels	2052(H)*1536(V)
Min. Illumination	0.01 Lux @ (F1.2,AGC ON), 0 Lux with IR
Shutter speed	1/25s to 1/50,000s
Lens	3.6mm,6mm,8mm,12mm,16mm lens @F1.2
Lens Mount	M12
Angle Adjustment	Pan:0°-360°;Tilt:0°-90°;Rotate:0°-360°
Day & Night	ICR
Wide Dynamic Range	120 dB
Synchronization	Internal synchronization
Video Frame Rate	1920 x 1536 @18fps , 1920 x 1080 @25fps
HD Video Output	1 Analog HD output
CVBS Output	1Vp-p Composite Output(75Ω / BNC)
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Color/BW/SMART
White Balance	ATW/MWB
BLC	Support
Anti-flicker	On/Off
Functions	Wide Dynamic Range, Digital noise reduction Mirror, SMART IR
Language	English
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±15%
Power Consumption	Max. 5W
Weather Proof Ratings	IP 66
IR Range	Up to 40m
Communication	Up the coax
Dimensions	86.7mm×81.6mm×226mm (3.41 ×3.23 ×8.67)
Weight	Approx. 680g (1.5lb)

Key Features

- 3 Megapixel high-performance CMOS
- Analog HD output, up to 3MP resolution
- 3.6mm, 6mm, 8mm, 12mm, 16mm fixed lens
- True WDR, up to 120dB
- EXIR technology, up to 40m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



3MP EXIR Bullet Camera

VHC-3322 Technical Specifications

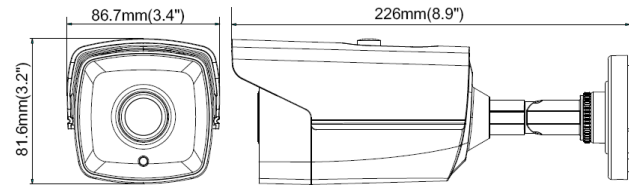


Key Features

- 3 Megapixel high-performance CMOS
- Analog HD output, up to 3MP resolution
- 3.6mm, 6mm, 8mm, 12mm, 16mm fixed lens
- EXIR technology, up to 80m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP66 weatherproof

Model No	VHC-3322
Image Sensor	3MP CMOS Image Sensor
Effective Pixels	2052(H)*1536(V)
Min. Illumination	0.01 Lux @ (F1.2,AGC ON), 0 Lux with IR
Shutter speed	1/25(1/30)s to 1/50,000s
Lens	3.6mm, 6mm, 8mm, 12mm, 16mm optional
Angle of view	67.8°(3.6mm), 44.6°(6mm), 31.6°(8mm) 20.2°(12mm), 15.8°(16mm)
Lens Mount	φ14
Angle Adjustment	Pan:0°-360°;Tilt:0°-90°;Rotate:0°-360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	1920 x 1536 @18fps , 1920 x 1080 @25fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Color/BW/SMART
White Balance	ATW/MWB
BLC	Support
Functions	Digital noise reduction, Mirror, Smart IR
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±15%
Power Consumption	Max. 5W
Weather Proof Ratings	IP 66
IR Range	Up to 80m
Communication	Up the coax
Dimensions	86.7mm×81.6mm×226mm (3.41 ×3.23 ×8.67)
Weight	Approx. 680g (1.5lb)

Dimensions



3MP EXIR Bullet Camera

VHC-3321 Technical Specifications

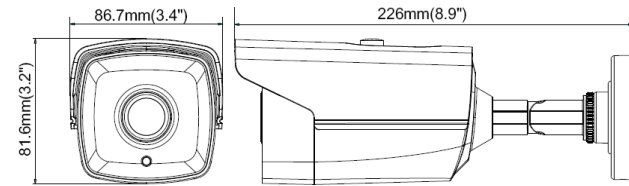


Key Features

- 3 Megapixel high-performance CMOS
- Analog HD output, up to 3MP resolution
- 3.6mm, 6mm, 8mm, 12mm, 16mm fixed lens
- EXIR technology, up to 40m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP66 weatherproof

Model No	VHC-3321
Image Sensor	3MP CMOS Image Sensor
Effective Pixels	2052(H)*1536(V)
Min. Illumination	0.01 Lux @ (F1.2,AGC ON), 0 Lux with IR
Shutter speed	1/25(1/30)s to 1/50,000s
Lens	3.6mm, 6mm, 8mm, 12mm, 16mm optional
Angle of view	67.8°(3.6mm), 44.6°(6mm), 31.6°(8mm) 20.2°(12mm), 15.8°(16mm)
Lens Mount	φ14
Angle Adjustment	Pan:0°-360°;Tilt:0°-90°;Rotate:0°-360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	1920 x 1536 @18fps , 1920 x 1080 @25fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Color/BW/SMART
White Balance	ATW/MWB
BLC	Support
Functions	Digital noise reduction, Mirror, Smart IR
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±15%
Power Consumption	Max. 5W
Weather Proof Ratings	IP 66
IR Range	Up to 40m
Communication	Up the coax
Dimensions	86.7mm×81.6mm×226mm (3.41 ×3.23 ×8.67)
Weight	Approx. 680g (1.5lb)

Dimensions



HD-TVI CAMERA / PROFESSIONAL SERIES

3MP EXIR Bullet Camera

VHC-3320 Technical Specifications

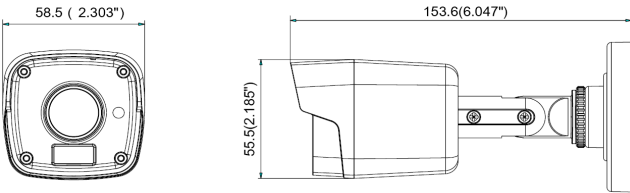


Model No	VHC-3320
Image Sensor	3MP CMOS Image Sensor
Effective Pixels	2052(H)*1536(V)
Min. Illumination	0.01 Lux (@ F1.2,AGC ON), 0 Lux with IR
Shutter speed	1/25(1/30)s to 1/50,000s
Lens	2.8mm, 3.6mm, 6mm, lens @ F1.2
Lens Mount	M 12
Angle Adjustment	Pan:0°-360°;Tilt:0°-90°;Rotate:0°-360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	1920 x 1536 @18fps , 1920 x 1080 @25fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Color/BW/SMART
White Balance	ATW/MWB
BLC	Support
Functions	Digital noise reduction, Gain Control Mirror, Smart IR
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±15%
Power Consumption	Max. 5W
Weather Proof Ratings	IP 66
IR Range	Up to 20m
Communication	Up the coax
Dimensions	58.5mm×55.5mm×153.6mm (2.30"×2.19"×6.05")
Weight	Approx. 370g (0.82lb)

Key Features

- 3 Megapixel high-performance CMOS
- Analog HD output, up to 3MP resolution
- 2.8mm, 3.6mm, 6mm fixed lens
- EXIR technology, up to 20m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



HD-TVI CAMERA / HI-END SERIES

3MP Motorized VF Anti-Vandal Dome Camera

VHC-6371 Technical Specifications

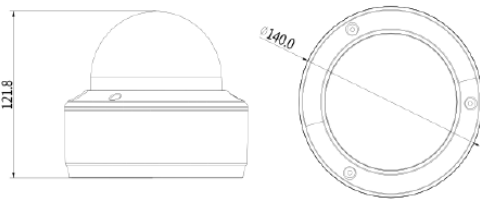


Model No	VHC-6371
Image Sensor	3MP CMOS Image Sensor
Signal System	PAL / NTSC
Effective Pixels	2052(H)*1536(V)
Min. Illumination	0.01 Lux (@ F1.2,AGC ON),0 Lux with IR
Shutter speed	1/25s to 1/50,000s
Lens	Motorized VF lens; 2.8 - 12 mm @ F1.2
Lens Mount	φ14
Angle Adjustment	Pan:0°-360°;Tilt:0°-75°;Rotate:0°-360°
Day & Night	ICR
Wide Dynamic Range	120 dB
Synchronization	Internal synchronization
Video Frame Rate	1920 x 1536 @18fps , 1920 x 1080 @25fps
HD Video Output	1 Analog HD output
CVBS Output	1Vp-p Composite Output(75Ω / BNC)
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Color/BW/SMART
White Balance	ATW/MWB
BLC	Support
Anti-flicker	On/Off
Functions	Wide Dynamic Range, Digital noise reduction Mirror, SMART IR
Language	English
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±15%
Power Consumption	Max. 6W
Weather Proof Ratings	IP 66
IR Range	Up to 40m
Communication	Up the coax
Dimensions	134.3mm×123.9mm×111.4mm (5.29"×4.88"×4.39")
Weight	Approx. 750g (1.57lb)

Key Features

- 3 Megapixel high-performance CMOS
- Analog HD output, up to 3MP resolution
- 2.8-12mm motorized vari-focal lens
- True WDR, up to 120dB
- Up to 40m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



3MP Motorized VF EXIR Eyeball Camera

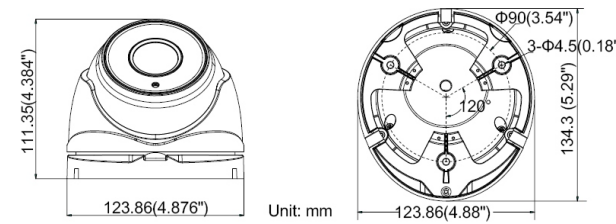
VHC-6370



Key Features

- 3 Megapixel high-performance CMOS
- Analog HD output, up to 3MP resolution
- 2.8-12mm motorized vari-focal lens
- True WDR, up to 120dB
- EXIR technology, up to 40m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



Technical Specifications

Model No	VHC-6370
Image Sensor	3MP CMOS Image Sensor
Signal System	PAL / NTSC
Effective Pixels	2052(H)*1536(V)
Min. Illumination	0.01 Lux @ (F1.2,AGC ON),0 Lux with IR
Shutter speed	1/25s to 1/50,000s
Lens	Motorized VF lens; 2.8 - 12 mm @ F1.2
Lens Mount	φ14
Angle Adjustment	Pan:0°-360°;Tilt:0°-75°;Rotate:0°-360°
Day & Night	ICR
Wide Dynamic Range	120 dB
Synchronization	Internal synchronization
Video Frame Rate	1920 x 1536 @18fps , 1920 x 1080 @25fps
HD Video Output	1 Analog HD output
CVBS Output	1Vp-p Composite Output(75Ω / BNC)
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Color/BW/SMART
White Balance	ATW/MWB
BLC	Support
Anti-flicker	On/Off
Functions	Wide Dynamic Range, Digital noise reduction Mirror, SMART IR
Language	English
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±15%
Power Consumption	Max. 6W
Weather Proof Ratings	IP 66
IR Range	Up to 40m
Communication	Up the coax
Dimensions	134.3mm×123.9mm×111.4mm (5.29"×4.88"×4.39")
Weight	Approx. 750g (1.57lb)

3MP EXIR Eyeball Camera

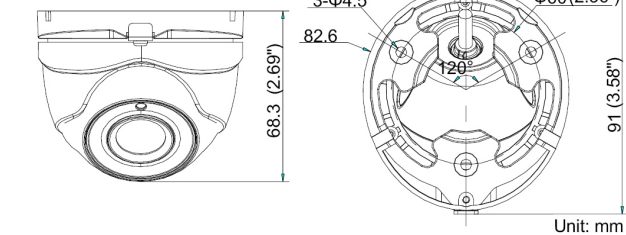
VHC-3360



Key Features

- 3 Megapixel high-performance CMOS
- Analog HD output, up to 3MP resolution
- 2.8mm, 3.6mm, 6mm fixed lens
- EXIR technology, up to 20m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



Technical Specifications

Model No	VHC-3360
Image Sensor	3MP CMOS Image Sensor
Effective Pixels	2052(H)*1536(V)
Min. Illumination	0.01 Lux @ (F1.2,AGC ON), 0 Lux with IR
Shutter speed	1/25(1/30)s to 1/50,000s
Lens	2.8mm, 3.6mm, 6mm, optional
Angle of View	84°(2.8mm), 67.8°(3.6mm), 44.6°(6mm)
Lens Mount	M 12
Angle Adjustment	Pan:0°-360°;Tilt:0°-90°;Rotate:0°-360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	1920 x 1536 @18fps , 1920 x 1080 @25fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Color/BW/SMART
White Balance	ATW/MWB
BLC	Support
Functions	Digital noise reduction, Gain Control Mirror, SMART IR
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±15%
Power Consumption	Max. 5W
Weather Proof Ratings	IP 66
IR Range	Up to 20m
Communication	Up the coax
Dimensions	91mm×82.6mm×68.3mm (3.58"×3.25"×2.69")
Weight	Approx. 350g (0.77lb)

VHC-4222

Technical Specifications

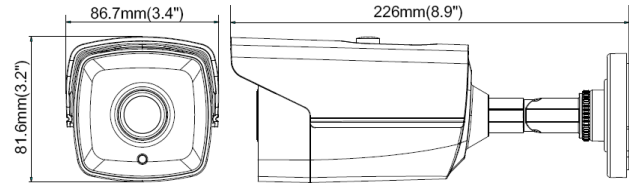
Model No	VHC-4222
Image Sensor	2 Megapixel progressive scan CMOS
Effective Pixels	1920(H) * 1080(V)
Min. Illumination	Color: 0.005 Lux @ (F2.0, AGC ON), 0 Lux with IR
Shutter speed	1/30 s to 1/50, 000 s
Slow Shutter	Max. 16 times
Lens	3.6mm, 6mm, 8mm, 12mm, 16mm optional
Angle of view	82.6° (3.6 mm), 54.4° (6 mm), 38° (8 mm), 24.4° (12 mm)
Lens Mount	M12
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 180°, Rotate: 0° to 360°
Day & Night	ICR
Synchronization	Internal synchronization
Wide Dynamic Range	> 120 dB
Video Frame Rate	PAL: 1080p@25fps / NTSC: 1080p@30fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Auto/Color/BW (Black and White)
White Balance	ATW/MWB
Privacy Mask	ON/OFF, 4 programmable privacy masks
Motion Detection	4 programmable motion areas
Backlight Compensation	WDR/BLC/HLC/OFF
3D DNR	On
Functions	Brightness, Sharpness, Mirror, Smart IR
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±15%
Power Consumption	Max. 5W
Weather Proof Ratings	IP 66
IR Range	Up to 80m
Communication	Up the coax
Dimensions	86.7mm×81.6mm×226mm (3.41 ×3.23 ×8.67)
Weight	Approx. 680g (1.5lb)



Key Features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 2MP resolution
- 3.6mm, 6mm, 8mm, 12mm, 16mm fixed lens
- EXIR technology, up to 80m IR distance
- True WDR, up to 120dB
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



VHC-4221

Technical Specifications

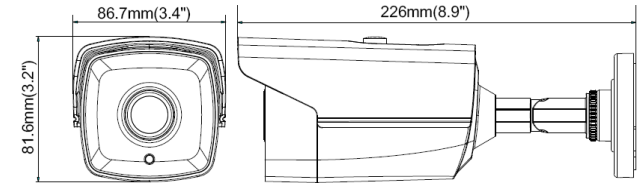
Model No	VHC-4221
Image Sensor	2 Megapixel progressive scan CMOS
Effective Pixels	1920(H) * 1080(V)
Min. Illumination	Color: 0.005 Lux @ (F2.0, AGC ON), 0 Lux with IR
Shutter speed	1/30 s to 1/50, 000 s
Slow Shutter	Max. 16 times
Lens	3.6mm, 6mm, 8mm, 12mm, 16mm optional
Angle of view	82.6° (3.6 mm), 54.4° (6 mm), 38° (8 mm), 24.4° (12 mm)
Lens Mount	M12
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 180°, Rotate: 0° to 360°
Day & Night	ICR
Synchronization	Internal synchronization
Wide Dynamic Range	> 120 dB
Video Frame Rate	PAL: 1080p@25fps / NTSC: 1080p@30fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Auto/Color/BW (Black and White)
White Balance	ATW/MWB
Privacy Mask	ON/OFF, 4 programmable privacy masks
Motion Detection	4 programmable motion areas
Backlight Compensation	WDR/BLC/HLC/OFF
3D DNR	On
Functions	Brightness, Sharpness, Mirror, Smart IR
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±15%
Power Consumption	Max. 5W
Weather Proof Ratings	IP 66
IR Range	Up to 40m
Communication	Up the coax
Dimensions	86.7mm×81.6mm×226mm (3.41 ×3.23 ×8.67)
Weight	Approx. 680g (1.5lb)



Key Features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 2MP resolution
- 3.6mm, 6mm, 8mm, 12mm, 16mm fixed lens
- EXIR technology, up to 40m IR distance
- True WDR, up to 120dB
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



VHC-4220

Technical Specifications

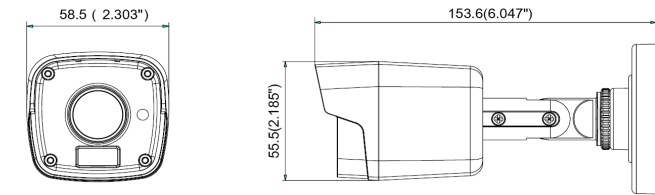
Model No	VHC-4220
Image Sensor	2 Megapixel progressive scan CMOS
Effective Pixels	1920(H) * 1080(V)
Min. Illumination	Color: 0.005 Lux @ (F2.0, AGC ON), 0 Lux with IR
Shutter speed	1/30 s to 1/50, 000 s
Slow Shutter	Max. 16 times
Lens	3.6mm, 6mm, 8mm, 12mm, 16mm optional
Angle of view	82.6° (3.6 mm), 54.4° (6 mm), 38° (8 mm), 24.4° (12 mm)
Lens Mount	M12
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 180°, Rotate: 0° to 360°
Day & Night	ICR
Synchronization	Internal synchronization
Wide Dynamic Range	> 120 dB
Video Frame Rate	PAL: 1080p@25fps / NTSC: 1080p@30fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Auto/Color/BW (Black and White)
White Balance	ATW/MWB
Privacy Mask	ON/OFF, 4 programmable privacy masks
Motion Detection	4 programmable motion areas
Backlight Compensation	WDR/BLC/HLC/OFF
3D DNR	On
Functions	Brightness, Sharpness, Mirror, Smart IR
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±15%
Power Consumption	Max. 5W
Weather Proof Ratings	IP 66
IR Range	Up to 20m
Communication	Up the coax
Dimensions	58 mm × 61 mm × 163 mm (2.28" × 2.40" × 6.42")
Weight	Approx. 350 g (0.77 lb.)



Key Features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 2MP resolution
- 3.6mm, 6mm, 8mm, 12mm, 16mm fixed lens
- EXIR technology, up to 20m IR distance
- True WDR, up to 120dB
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



VHC-4260

Technical Specifications

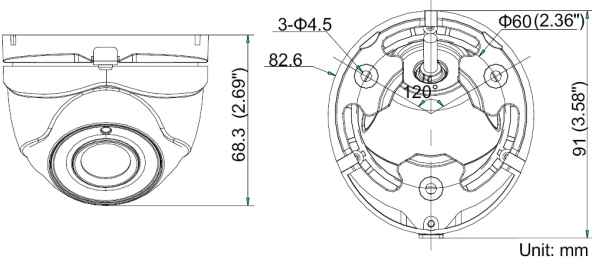
Model No	VHC-4260
Image Sensor	2 Megapixel progressive scan CMOS
Effective Pixels	1920(H) * 1080(V)
Min. Illumination	Color: 0.005 Lux @ (F2.0, AGC ON), 0 Lux with IR
Shutter speed	1/30 s to 1/50, 000 s
Slow Shutter	Max. 16 times
Lens	2.8mm, 3.6mm, 6mm, 8mm, 12mm, 16mm optional
Angle of view	82.6° (3.6 mm), 54.4° (6 mm), 38° (8 mm), 24.4° (12 mm)
Lens Mount	M12
Angle Adjustment	Pan: 0° to 360°, Tilt: 0° to 180°, Rotate: 0° to 360°
Day & Night	ICR
Synchronization	Internal synchronization
Wide Dynamic Range	> 120 dB
Video Frame Rate	PAL: 1080p@25fps / NTSC: 1080p@30fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
AGC	Support
D/N Mode	Auto/Color/BW (Black and White)
White Balance	ATW/MWB
Privacy Mask	ON/OFF, 4 programmable privacy masks
Motion Detection	4 programmable motion areas
Backlight Compensation	WDR/BLC/HLC/OFF
3D DNR	On
Functions	Brightness, Sharpness, Mirror, Smart IR
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±15%
Power Consumption	Max. 5W
Weather Proof Ratings	IP 66
IR Range	Up to 20m
Communication	Up the coax
Dimensions	58 mm × 61 mm × 163 mm (2.28" × 2.40" × 6.42")
Weight	Approx. 350 g (0.77 lb.)



Key Features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 2MP resolution
- 2.8m, 3.6mm, 6mm, 8mm, 12mm, 16mm fixed lens
- EXIR technology, up to 20m IR distance
- True WDR, up to 120dB
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



HD-TVI CAMERA / ULTRA SERIES

FULL HD 1080p Vari-Focal IR Bullet Camera

VHC-5230 Technical Specifications

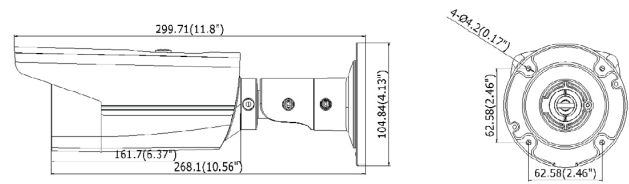


Key Features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 2MP resolution
- 2.8-12mm vari-focal lens
- Up to 40m IR distance
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- UTC (Up the Coax) function
- IP66 weatherproof

Model No	VHC-5230
Image Sensor	2MP CMOS Image Sensor
Signal System	PAL / NTSC
Effective Pixels	1984(H)*1105(V)
Min. Illumination	0.01 Lux @ (F1.2,AGC ON),0 Lux with IR
Shutter speed	1/25(1/30) s to 1/50,000 s
Lens	2.8 - 12 mm @ F1.4 Angle of view: 105.2° - 32.8°
Lens Mount	φ14
Angle Adjustment	Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	1080p@25fps/1080p@30fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
AGC	High / Medium / Low / Off
D/N Mode	Smart IR/Color/BW
White Balance	Auto/Manual
BLC	Support
Language	English
Digital Noise Reduction	Support
Mirror	Support
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±15%
Power Consumption	Max. 4.5W
Weather Proof Ratings	IP 66
IR Range	Up to 40m
Communication	Up the coax
Dimensions	92 × 84.8 × 269.6mm(3.62" × 3.34" × 10.6")
Weight	690g (1.52 lb)

Dimensions



HD-TVI CAMERA / PROFESSIONAL SERIES

FULL HD 1080p EXIR Bullet Camera

VHC-3220 Technical Specifications

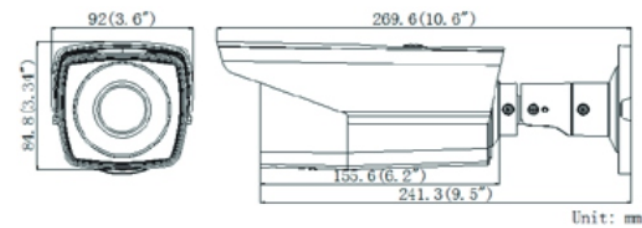


Key Features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 2MP resolution
- 3.6mm, 6mm, 8mm, 12mm, 16mm fixed lens
- EXIR technology, up to 40m IR distance
- True Day/Night
- OSD menu, DNR, SMART IR
- UTC (Up the Coax) function
- IP66 weatherproof

Model No	VHC-3220
Image Sensor	2 MP CMOS Image Sensor
Signal System	PAL / NTSC
Effective Pixels	1930(H)*1088(V)
Min. Illumination	0.01 Lux @ (F1.2,AGC ON), 0 Lux with IR
Shutter speed	1/25(1/30) s to 1/50,000 s
Lens	3.6mm, 6mm, 8mm, 12mm, 16mm optional Angle of View: 84.3°(3.6mm), 55.4°(6mm) 38.7°(8mm),24.8°(12mm), 19.2°(16mm)
Lens Mount	M12
Angle Adjustment	Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	1080p@25fps/1080p@30fps
HD Video Output	1 Analog HD output
S / N Ratio	More than 52dB
AGC	Support
D/N Mode	Color/BW/EXT
White Balance	Auto/ Manual
BLC	Support
Language	English
Digital Noise Reduction	Support
Mirror	Support
Working Temperature	-40°C ~ +60°C
Humidity	Humidity 90%
Power Supply	12 VDC
Power Consumption	Max. 5W
Weather Proof Ratings	IP 66
IR Range	Up to 40m
Communication	Up the coax
Dimensions	86.22×82.05×220.13mm(3.39" ×3.23" ×8.67")
Weight	430 g (0.95 lb)

Dimensions



HD-TVI CAMERA / PROFESSIONAL SERIES

2MP IR Bullet Camera

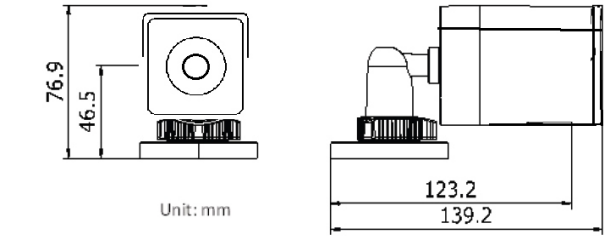
VHC-3222 Technical Specifications



Key Features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 2MP resolution
- 2.8mm, 3.6mm, 6mm fixed lens
- Up to 20m IR distance
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



Model No	VHC-3222
Image Sensor	2 MP CMOS Image Sensor
Signal System	PAL / NTSC
Effective Pixels	1930(H)*1088(V)
Min. Illumination	0.01 Lux @(F1.2,AGC ON), 0 Lux with IR
Shutter speed	1 / 25(1 / 30) s to 1 / 50,000 s
Lens	2.8mm, 3.6mm, 6mm optional Angle of View: 105.8°(2.8mm), 84.3°(3.6mm) 55.4°(6mm)
Lens Mount	M12
Angle Adjustment	Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	1080p@25fps/1080p@30fps
HD Video Output	1 Analog HD output
S / N Ratio	More than 52dB
AGC	Support
D/N Mode	Color/BW/EXT
White Balance	Auto/ Manual
BLC	Support
Language	English
Digital Noise Reduction	Support
Mirror	Support
Working Temperature	-40°C ~ +60°C
Humidity	Humidity 90%
Power Supply	12 VDC
Power Consumption	Max. 3W
Weather Proof Ratings	IP 66
IR Range	Up to 20m
Communication	Up the coax
Dimensions	Φ70×149.5mm (Φ2.76"×5.89")
Weight	400g (0.88 lb)

HD-TVI CAMERA / HI-END SERIES

FULL HD 1080p Vari-Focal Anti Vandal IR Dome Camera

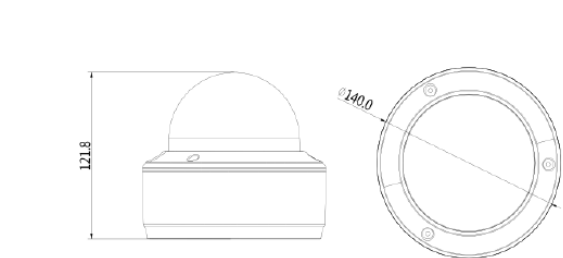
VHC-6271 Technical Specifications



Key Features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 1080P resolution
- 2.8-12mm vari-focal lens
- True WDR, up to 120dB
- EXIR technology, up to 50m IR distance
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



Model No	VHC-6271
Image Sensor	2MP CMOS Image Sensor
Signal System	PAL / NTSC
Effective Pixels	1944(H)*1092(V)
Min. Illumination	0.01 Lux @(F1.2,AGC ON),0 Lux with IR 0.014 Lux @(F1.4,AGC ON),0 Lux with IR
Shutter speed	1/25(1/30) s to 1/50,000 s
Lens	2.8-12mm @ F1.4 Angle of view: 103° - 32.1°
Lens Mount	φ14
Angle Adjustment	Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°
Day & Night	ICR
Wide Dynamic Range	120 dB
Synchronization	Internal synchronization
Video Frame Rate	1080p@25fps/1080p@30fps
HD Video Output	1 Analog HD output
CVBS Output	1Vp-p Composite Output(75Ω / BNC)
S / N Ratio	> 62dB
Scene	Indoor, Outdoor, IndoorI, LOW-LIGHT
Camera ID	On/off (15 characters, position programmable)
AGC	Support
D/N Mode	Color/BW/EXT
White Balance	ATW, AWC-SET, Indoor, Outdoor, Manual
Privacy Mask	On/Off, maximum 8 zones
Motion Detection	On/Off, maximum 4 zones
BLC	Support
Anti-flicker	On/Off
Language	English, Japanese, Korean, German, French, Italian Spanish, Polish, Russian, Portuguese, Chinese
Function	Eclipse, Digital noise reduction, Digital zoom(62x) Slow shutter, Mirror, Defog, Defect pixel, correction SMART D-ZOOM
Working Temperature	-30°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12V Dc±15%
Power Consumption	Max. 7W
Weather Proof Ratings	IP 66
IR Range	Up to 50m
Communication	Up the coax
Dimensions	Φ 130.54 × 93.24 mm (Φ 5.14" × 3.67")
Weight	300 g (0.66 lb)

VHC-6270

Technical Specifications

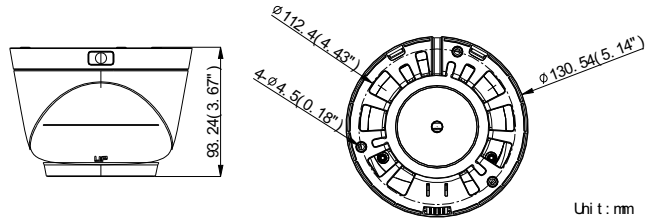
Model No	VHC-6270
Image Sensor	2MP CMOS Image Sensor
Signal System	PAL / NTSC
Effective Pixels	1944(H)*1092(V)
Min. Illumination	0.01 Lux @ (F1.2,AGC ON),0 Lux with IR 0.014 Lux @ (F1.4,AGC ON),0 Lux with IR
Shutter speed	1/25(1/30) s to 1/50,000 s
Lens	2.8-12mm @ F1.4 Angle of view: 103° - 32.1°
Lens Mount	φ14
Angle Adjustment	Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°
Day & Night	ICR
Wide Dynamic Range	120 dB
Synchronization	Internal synchronization
Video Frame Rate	1080p@25fps/1080p@30fps
HD Video Output	1 Analog HD output
CVBS Output	1Vp-p Composite Output(75Ω / BNC)
S / N Ratio	> 62dB
Scene	Indoor, Outdoor, IndoorI, LOW-LIGHT
Camera ID	On/off (15 characters, position programmable)
AGC	Support
D/N Mode	Color/BW/EXT
White Balance	ATW, AWC-SET, Indoor, Outdoor, Manual
Privacy Mask	On/Off, maximum 8 zones
Motion Detection	On/Off, maximum 4 zones
BLC	Support
Anti-flicker	On/Off
Language	English, Japanese, Korean, German, French, Italian Spanish, Polish, Russian, Portuguese, Chinese
Function	Eclipse, Digital noise reduction, Digital zoom(62x) Slow shutter, Mirror, Defog, Defect pixel, correction SMART D-ZOOM
Working Temperature	-30°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12V Dc ± 15%
Power Consumption	Max. 7W
Weather Proof Ratings	IP 66
IR Range	Up to 50m
Communication	Up the coax
Dimensions	Φ 130.54 × 93.24 mm (Φ 5.14" × 3.67")
Weight	300 g (0.66 lb)



Key Features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 1080P resolution
- 2.8-12mm vari-focal lens
- True WDR, up to 120dB
- EXIR technology, up to 50m IR distance
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



VHC-5270

Technical Specifications

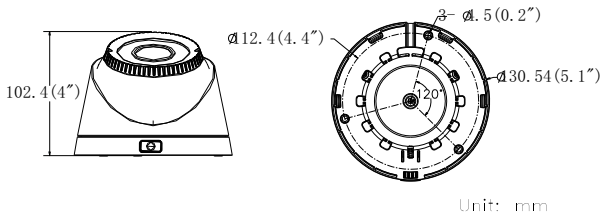
Model No	VHC-5270
Image Sensor	Progressive Scan CMOS
Signal System	PAL / NTSC
Effective Pixels	1930(H)*1088(V)
Min. Illumination	0.01 Lux @ (F1.2,AGC ON),0 Lux with IR
Shutter speed	1/25(1/30) s to 1/50,000 s
Lens	2.8 - 12 mm @ F1.4 Angle of view: 105.2° - 32.8°
Lens Mount	φ14
Angle Adjustment	Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	1080p@25fps/1080p@30fps
HD Video Output	1 Analog HD output
S / N Ratio	More than 52dB
AGC	Support
D/N Mode	Color/BW/EXT
White Balance	Auto/Manual
BLC	Support
Language	English
Digital Noise Reduction	Support
Mirror	Support
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12V DC
Power Consumption	Max. 3.5W
Weather Proof Ratings	IP 66
IR Range	Up to 40m
Communication	Up the coax
Dimensions	Φ130.54 × 102.4mm (Φ5.1" × 4")
Weight	410 g (0.90 lb)



Key Features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 2MP resolution
- 2.8-12mm vari-focal lens
- Up to 40m IR distance
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



VHC-3260

Technical Specifications

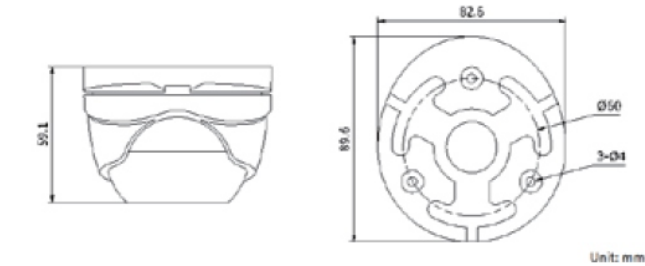
Model No	VHC-3260
Image Sensor	2 MP CMOS Image Sensor
Signal System	PAL / NTSC
Effective Pixels	1930(H)*1088(V)
Min. Illumination	0.01 Lux @(F1.2,AGC ON), 0 Lux with IR
Shutter speed	1 / 25(1 / 30) s to 1 / 50,000 s
Lens	2.8mm, 3.6mm, 6mm optional Angle of View: 105.8°(2.8mm), 84.3°(3.6mm) 55.4°(6mm)
Lens Mount	M12
Angle Adjustment	Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	1080p@25fps/1080p@30fps
HD Video Output	1 Analog HD output
S / N Ratio	More than 52dB
AGC	Support
D/N Mode	Color/BW/EXT
White Balance	Auto/ Manual
BLC	Support
Language	English
Digital Noise Reduction	Support
Mirror	Support
Working Temperature	-40°C ~ +60°C
Humidity	Humidity 90%
Power Supply	12 VDC
Power Consumption	Max. 3W
Weather Proof Ratings	IP 66
IR Range	Up to 20m
Communication	Up the coax
Dimensions	89.6 × 59.1 mm (3.53" × 2.33")
Weight	400g (0.88 lb)



Key Features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 2MP resolution
- 2.8mm, 3.6mm, 6mm fixed lens
- Up to 20m IR distance
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



VHC-3240

Technical Specifications

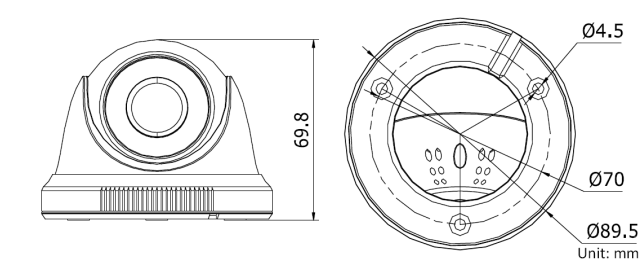
Model No	VHC-3240
Image Sensor	2 MP CMOS Image Sensor
Signal System	PAL / NTSC
Effective Pixels	1930(H)*1088(V)
Min. Illumination	0.01 Lux @(F1.2,AGC ON), 0 Lux with IR
Shutter speed	1 / 25(1 / 30) s to 1 / 50,000 s
Lens	2.8mm, 3.6mm, 6mm optional Angle of View: 105.8°(2.8mm), 84.3°(3.6mm) 55.4°(6mm)
Lens Mount	M12
Angle Adjustment	Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	1080p@25fps/1080p@30fps
HD Video Output	1 Analog HD output
S / N Ratio	More than 52dB
AGC	Support
D/N Mode	Color/BW/EXT
White Balance	Auto/ Manual
BLC	Support
Language	English
Digital Noise Reduction	Support
Mirror	Support
Working Temperature	-40°C ~ +60°C
Humidity	Humidity 90%
Power Supply	12 VDC
Power Consumption	Max. 3W
Weather Proof Ratings	IP 66
IR Range	Up to 20m
Communication	Up the coax
Dimensions	Ø89.5 × 69.8 mm(Ø3.52" × 2.75")
Weight	280g



Key Features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 2MP resolution
- 2.8mm, 3.6mm, 6mm fixed lens
- Up to 20m IR distance
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



HD-TVI CAMERA / PROFESSIONAL SERIES

TURBO HD 720p IR Bullet Camera

VHC-3130

Technical Specifications

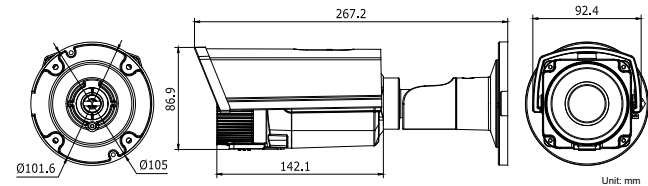
Model No	VHC-3130
Image Sensor	1/3" Progressive Scan CMOS
Effective Pixels	1280(H)*960(V)
Min. Illumination	0.01 Lux @ (F1.2,AGC ON),0 Lux with IR
Shutter speed	1/25(1/30) s to 1/50,000 s
Lens	2.8 - 12 mm @ F1.4 Angle of view: 29.3°-92°
Lens Mount	φ14
Angle Adjustment	Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	720p@25fps/720p@30fps
HD Video Output	1 Analog HD output
S / N Ratio	More than 52 dB
Language	English
Working Temperature	-40°C ~ +60°C
Humidity	Humidity 90%
Power Supply	12 VDC
Power Consumption	Max. 4.0W
Weather Proof Ratings	IP 66
IR Range	Up to 40m
Dimensions	92 × 84.8 × 269.6mm(3.62" × 3.34" × 10.6")
Weight	1000 g



Key Features

- 1.3 Megapixel high-performance CMOS
- Analog HD output, up to 1.3MP resolution
- 2.8-12mm vari-focal lens
- Up to 40m IR distance
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



HD-TVI CAMERA / ECONOMY SERIES

Turbo HD 720p IR Bullet Camera

VHC-2120

Technical Specifications

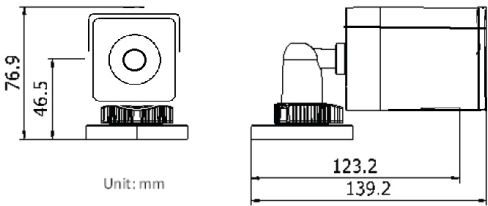
Model No	VHC-2120
Image Sensor	1 MP CMOS Image Sensor
Effective Pixels	1296(H)*732(V)
Min. Illumination	0.1 Lux @ (F1.2,AGC ON), 0 Lux with IR
Shutter speed	1/25(1/30) s to 1/50,000 s
Lens	3.6mm (2.8mm, 6mm optional) Angle of View: 70.9°(3.6mm), 92°(2.8mm) 56.7°(6mm)
Lens Mount	M12
Angle Adjustment	Pan: 0 - 360°, Tilt: 0 - 180°, Rotation: 0 - 360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	720p@25fps/720p@30fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
Language	English
Working Temperature	-40°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12 VDC±15%
Power Consumption	Max. 4W
Weather Proof Ratings	IP 66
IR Range	Up to 20m
Dimensions	Φ70×149.5 mm (Φ2.76" ×5.89")
Weight	290g (0.64 lb)



Key Features

- 1 Megapixel high-performance CMOS
- Analog HD output, up to 1MP resolution
- 2.8mm, 3.6mm, 6mm fixed lens
- Up to 20m IR distance
- True Day/Night
- 3D DNR, Smart IR
- IP66 weatherproof

Dimensions



HD-TVI CAMERA / LOW LIGHT SERIES

Turbo HD 720p Vari-focal IR Eyeball Camera

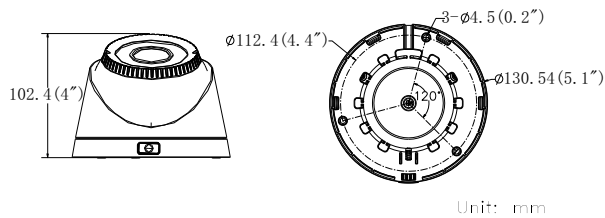
VHC-4170 Technical Specifications



Key Features

- 1.3 Megapixel high-performance CMOS
- Analog HD output, up to 1.3MP resolution
- 2.8-12mm vari-focal lens
- Up to 50m IR distance
- Low illumination
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



Model No	VHC-4170
Image Sensor	1.27MP CMOS Image Sensor
Signal System	PAL / NTSC
Effective Pixels	1305(H)×977(V)
Min. Illumination	0.001 Lux @ (F1.2,AGC ON),0 Lux with IR 0.0014 Lux @ (F1.4,AGC ON),0 Lux with IR
Shutter speed	1/25 s to 1/50,000 s
Lens	2.8 - 12 mm @ F1.4 Angle of view: 92° - 29.3°
Lens Mount	φ14
Angle Adjustment	Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	720p@25fps/720p@30fps
HD Video Output	1 Analog HD output
CVBS Output	1Vp-p Composite Output(75Ω/BNC)
S / N Ratio	> 62dB
Automatic Exposure	Globe AE/DWDR
Lens Type	Auto Iris/ELC/ELC&ALC
AGC	Low/Middle/High/Off
Slow Shutter	Support
White Balance	Auto/Manual
D/N Mode	Color/BW/SMART IR
3D DNR	Low/Middle/High/Off
Motion Detection	Support, maximum 4 zones
Privacy Mask	On/Off, maximum 8 zones
UTC Function	Support
Language	English
Function	Digital Wide Dynamic Range, Digital Zoom, Mirror 3D Digital Noise Reduction, Brightness, Sharpness
Working Temperature	-30°C ~ +60°C
Humidity	90% or less (non-condensing)
Power Supply	12VDC±15%
Power Consumption	Max. 6W
Weather Proof Ratings	IP 66
IR Range	Up to 50m
Communication	Up the coax
Dimensions	Φ 130.5 × 93.2 mm (Φ 5.14" × 3.67")
Weight	380 g (0.84 lb)

HD-TVI CAMERA / ECONOMY SERIES

Turbo HD 720p IR Eyeball Camera

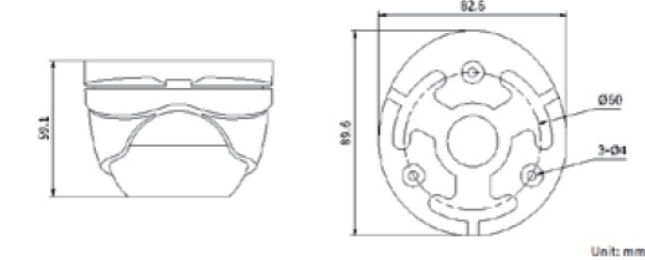
VHC-2160 Technical Specifications



Key Features

- 1 Megapixel high-performance CMOS
- Analog HD output, up to 1MP resolution
- 2.8mm, 3.6mm, 6mm fixed lens
- Up to 20m IR distance
- True Day/Night
- 3D DNR, Smart IR
- IP66 weatherproof

Dimensions



Model No	VHC-2160
Image Sensor	1 MP CMOS Image Sensor
Effective Pixels	1296(H)×732(V)
Min. Illumination	0.1 Lux @ (F1.2,AGC ON), 0 Lux with IR
Shutter speed	1/25(1/30) s to 1/50,000 s
Lens	3.6mm (2.8mm, 6mm optional) Angle of View: 70.9°(3.6mm), 92°(2.8mm) 56.7°(6mm)
Lens Mount	M12
Angle Adjustment	Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°
Day & Night	ICR
Synchronization	Internal synchronization
Video Frame Rate	720p@25fps/720p@30fps
HD Video Output	1 Analog HD output
S / N Ratio	> 62dB
Language	English
Working Temperature	-40°C ~ +60°C
Humidity	Humidity 90%
Power Supply	12V DC ± 15%
Power Consumption	Max. 4W
Weather Proof Ratings	IP 66
IR Range	Up to 20m
Dimensions	89.6 × 59.1 mm (3.53" × 2.33")
Weight	240g (0.54 lb)

MOBILE DIGITAL VIDEO RECORDER

4 Channel Mobile Turbo HD DVR

VDR-402

Technical Specifications

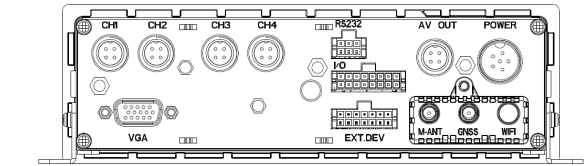
Model No	VDR-402
Analog video input	4-ch; Aviation plug (I.O Vp-p, 75 Ω)
Audio input	4-ch; Aviation plug (linear level, 1kΩ)
Video output	VGA: 1-ch; 1920 × 1080p/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz CVBS : 1-ch aviation plug (I.O Vp-p, 75 Ω) and 1-ch RS-422; PAL: 704 × 576, NTSC: 704 × 480
Audio output	1-ch; aviation plug (linear level,600 Ω)
Video compression	H.264
Encoding resolution	Main stream: 720p/WDI/4CIF/CIF Sub-Stream: CIF/QCIF
Frame rate	PAL: 1 to 25fps; NTSC: 1 to 30fps
Audio compression	G.711
Stream type	Video, Video & Audio
Dual stream	Supported
Hard Disk Type	2 × 2.5 inch hard disk (HDD/SSD)
Capacity	Up to 1T for each
3G Dialing	1 external antenna; WCDMA module
Wi-Fi	802.11 b/g/n supported, 2.4GHz
Positioning GNSS	1 positioning antenna; GPS (Global Positioning System)
Two-way audio	G.722
Sensor-in	4 high/low level signal inputs
Alarm input	3-ch high/low level signal input
Alarm output	2-ch relay signal output
Network interface	1 × 10M/100M self-adaptive RJ45 Ethernet interface
Serial interface	2 × RS-232, 1 × RS-422
USB port	1 × standard USB 2.0 in front panel; 1 × aviation plug USB 2.0 in in rear panel
SIM card	1 SIM/UIM card slots
Operating system	Linux
Operating method	Mouse, IR remote control, and Web control
Power Supply	Input: 8 to 36 VDC; Output: 12 VDC/1 A, 5 VDC/1 A
Consumption	≤ 20 W
Working temperature	-25°C ~ +70°C
Working humidity	10% to 90%
Dimensions	202 × 85.5 × 253 (7.95 × 3.37 × 9.96")
Weight	Approx. 3 kg (6.61 lb)



Key Features

- Connected to 2MP Resolution Camera
- Pluggable GPS (Global Positioning System)
- 4 channels of audio & video inputs connectable
- Two HDD/SSD hard disks with 1T capacity can be plugged for data storage.
- Adopting hard disk vibration damping technology
- Pluggable 3G module and Wi-Fi moduleproviding flexible data transmission solutions.

Rear Panel



DIGITAL VIDEO RECORDER

32 Channel Turbo HD DVR

VDR-3202P8 / VDR-3208P4

Technical Specifications

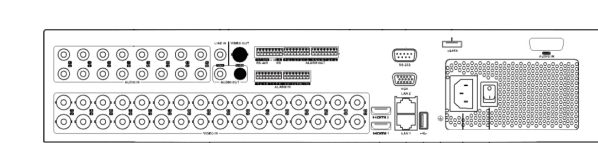
Model No	VDR-3202P8 VDR-3202P4
Video compression	H.264
HDTVl and Analog video input	32-ch - BNC interface (I.O Vp-p, 75 Ω), supporting coaxitron connection
Supported camera types	720p/25Hz, 720p/30Hz, 720p/50Hz, 720p/60Hz 1080p/25Hz, 1080p/30Hz, CVBS
IP video input	16-ch (up to 32-ch) / Up to 2MP resolution
Audio compression	G.711u
Audio input	16-ch / RCA (2.0 Vp-p, 1 KΩ)
HDMI 1 / VGA output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720 60Hz, 1024 × 768/60Hz
HDMI 2 output	1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720 60Hz, 1024 × 768/60Hz
Encoding resolution	1080p/720p/VGA/WDI/4CIF/CIF
Frame rate	Main-stream: 1080p@12fps; 720p/VGA/WDI/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: WDI/4CIF@12fps; CIF/QCIF/QVGA@25fps (P)/30fps (N)
Video bit rate	32 Kbps to 6 Mbps
Audio output	1-ch, RCA (Linear, 1 KΩ)
Audio bit rate	64 Kbps
Stream type	Video, Video & Audio
Synchronous playback	VDR-3208P8 : 32-Ch , VDR-3208P4 : 24-Ch
Remote connection	I28
Network Protocols	TCP/IP, PPPoE, DHCP, Hik Cloud P2P, DNS,DDNS NTP, SADP, SMTP, SNMP,NFS,iSCSI,UPnP,HTTPS
SATA	VDR-3208P8 : 8 SATA interfaces VDR-3208P4 : 4 SATA interfaces
Capacity	Up to 4 TB capacity for each disk
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)
Network interface	VDR-3208P8 : 2, 10M/100M/1000M self-adaptive VDR-3208P4 : 1, 10M/100M/1000M self-adaptive
Serial interface	RS-232, RS-485, Keyboard
USB interface	3 × USB 2.0
Alarm in/out	16/8
Power Supply	100 to 240 VAC
Consumption	≤ 67 W
Working temperature	-10°C ~ +55°C
Working humidity	10% to 90%
Dimensions	445 × 470 × 90 mm (17.5 × 18.5 × 3.5 inch)
Weight	≤ 8 kg (17.6 lb)



Key Features

- Connectable to HDTVl, and Analog cameras
- Up to 32-ch 1080p IP cameras input
- Long distance transmission over coaxial cable
- H.264 compression improves encoding efficiency
- Full channel recording at up to 1080p resolution
- VDR3208P8 : 8 SATA interfaces (up to 4 TB capacity)
- VDR3208P4 : 4 SATA interfaces (up to 4 TB capacity)
- Support P2P and HiDDNS
- Smart search for efficient playback
- Supports Line Crossing and Intrusion Detection

Rear Panel





DIGITAL VIDEO RECORDER

16 / 8 / 4 Channel Turbo HD DVR

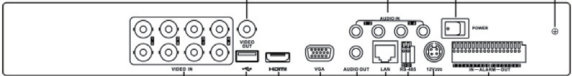
VDR-1605FFPlus/VDR-805FFPlus/VDR-405FFPlus...



Key Features

- Connectable to HDTVI, CVI, AHD and Analog cameras
- Up to 2-ch 4MP IP cameras input
- Long distance transmission over coaxial cable
- H.265+ compression improves encoding efficiency
- Full channel recording at up to 5MP resolution
- HDMI output at up to 4K (3840x2160) resolution
- 2 SATA interfaces (up to 6 TB capacity per HDD)
- 16-ch synchronous playback at up to 5MP resolution
- Support P2P and HiDDNS
- Smart search for efficient playback
- Supports Line Crossing and Intrusion Detection
- 1 gigabit Ethernet network interfaces

Rear Panel



Technical Specifications

Model No	VDR-1605FFPlus VDR-805FFPlus VDR-405FFPlus		
Video compression	H.265+ / H.265 / H.264+ / H.264		
HDTVI, CVI, AHD, Analog video input	16-ch	8-ch	4-ch
Encoding Resolution	5 MP / 4 MP / 3 MP / 1080p / 720p / WdI / 4CIF VGA/CIF		
IP video input	2 Channel , Up to 4MP resolution		
Audio compression	G.711u		
Audio input	4-ch, RCA (2.0 Vp-p, 1 KΩ)		
HDMI/VGA output	VGA: 1-ch, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz HDMI: 1-ch, 4K (3840×2160)/30Hz, 2K (2560×1440) 60Hz, 1920 × 1080/60Hz, 1280 × 1024/60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
Frame rate	Main: 5 MP@10fps/4 MP@15fps/3 MP@15fps 1080p/720p/WDI/4CIF/VGA/CIF@25fps/30fps Sub-stream: WDI/4CIF@12 fps; CIF/QVGA/QCIF@25fps (P)/30fps (N)		
Video bit rate	32 Kbps to 10 Mbps		
Audio output	1-ch, RCA (Linear, 1 KΩ)		
Audio bit rate	64 Kbps		
Dual Stream	Support		
Stream type	Video, Video & Audio		
Synchronous playback	16-ch	8-ch	4-ch
Remote connection	128		
Network Protocols	TCP/IP, PPPoE, DHCP, Cloud P2P, DNS, DDNS NTP, SADP, SMTP, SNMP,NFS,iSCSI,UPnP,HTTPS		
SATA	2 SATA		
Capacity	Up to 6 TB capacity for each disk		
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
Network interface	4-ch : 1, RJ45 10M/100M / 8-ch & 16-ch : 1, 10M/100M/1000M self-adaptive Ethernet		
Serial interface	1; RS-485 serial interface, half-duplex		
USB interface	4-ch : 2× USB2.0 / 8-ch & 16-ch : Front panel : 1× USB 2.0 / Rear panel: 1×USB 3.0		
Alarm in/out	16-ch:16/4	8-ch:8/4	4-ch:4/1
Power Supply	12 VDC		
Consumption	16-ch: ≤25W	8-ch: ≤20W	4-ch: ≤15W
Working temperature	-10°C ~ +55°C		
Working humidity	10% to 90%		
Dimensions	380× 320× 48mm (15.0×12.6×1.9inch)		
Weight	≤2 kg (4.4 lb)		



DIGITAL VIDEO RECORDER

16 / 8 / 4 Channel Turbo HD DVR

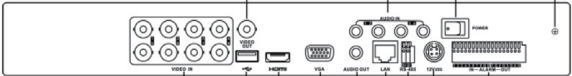
VDR-1605Plus/VDR-805Plus/VDR-405Plus....



Key Features

- Connectable to HDTVI, CVI, AHD and Analog cameras
- Up to 2-ch 4MP IP cameras input
- Long distance transmission over coaxial cable
- H.264+ compression improves encoding efficiency
- Full channel recording at up to 5MP resolution
- HDMI output at up to 4K (3840x2160) resolution
- 2 SATA interfaces (up to 6 TB capacity per HDD)
- 16-ch synchronous playback at up to 5MP resolution
- Support P2P and HiDDNS
- Smart search for efficient playback
- Supports Line Crossing and Intrusion Detection
- 1 gigabit Ethernet network interfaces

Rear Panel



Technical Specifications

Model No	VDR-1605Plus VDR-805Plus VDR-405Plus		
Video compression	H.264+ / H.264		
HDTVI, CVI, AHD, Analog video input	16-ch	8-ch	4-ch
Encoding resolution	5MP, 3MP, 1080p/25Hz,1080p/30Hz,720p/25Hz 720p/30Hz, 720P/50Hz, 720p/60Hz		
IP video input	2 Channel , Up to 4MP resolution		
Audio compression	G.711u		
Audio input	4-ch, RCA (2.0 Vp-p, 1 KΩ)		
HDMI/VGA output	VGA: 1-ch, 1920×1080/60Hz,1280×1024/60Hz, 1280×720/60Hz,1024×768/60 Hz HDMI: 1-ch, 4K(3840×2160)/30Hz, 2K(2560×1440) 60Hz, 1920×1080/60Hz, 1280×1024 60Hz,1280×720/60Hz, 1024 × 768/60Hz		
Frame rate	Main stream: 3MP@15fps; 1080P/720P/WDI/4CIF/VGA/CIF@25fps Sub-stream:WDI/4CIF@12fps; CIF/QVGA/QCIF@25fps		
Video bit rate	32 Kbps to 10 Mbps		
Audio output	1-ch, RCA (Linear, 1 KΩ)		
Audio bit rate	64 Kbps		
Stream type	Video, Video & Audio		
Synchronous playback	16-ch	8-ch	4-ch
Remote connection	128		
Network Protocols	TCP/IP, PPPoE, DHCP, Cloud P2P, DNS, DDNS NTP, SADP, SMTP, SNMP,NFS,iSCSI,UPnP,HTTPS		
SATA	2 SATA	2 SATA	1 SATA
Capacity	Up to 6 TB capacity for each disk		
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
Network interface	4-ch : 1, RJ45 10M/100M / 8-ch & 16-ch : 1, 10M/100M/1000M self-adaptive Ethernet		
Serial interface	1; RS-485 serial interface, half-duplex		
USB interface	4-ch : 2× USB2.0 / 8-ch & 16-ch : Front panel : 1× USB 2.0 / Rear panel: 1×USB 3.0		
Alarm in/out	16-ch:16/4	8-ch:8/4	4-ch:4/1
Power Supply	12 VDC		
Consumption	16-ch: ≤20W	8-ch: ≤20W	4-ch: ≤15W
Working temperature	-10°C ~ +55°C		
Working humidity	10% to 90%		
Dimensions	380× 320× 48mm (15.0×12.6×1.9inch)		
Weight	≤2 kg (4.4 lb)		

VDR-1602Plus/VDR-802Plus/VDR-402Plus....

Technical Specifications

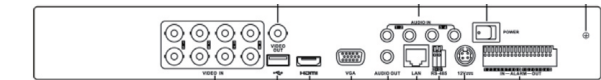
Model No	VDR-1602Plus VDR-802Plus VDR-402Plus		
Video compression	H.265+ / H.265 / H.264+ / H.264		
HDTVI, CVI, AHD, Analog video input	16-ch	8-ch	4-ch
Encoding resolution	1080p/25Hz,1080p/30Hz,720p/25Hz,720p/30Hz 720P/50Hz, 720p/60Hz		
3MP View and record	4-ch	2-ch	1-ch
IP video input	2-ch	2-ch	1-ch
	Up to 2MP resolution		
Audio compression	G.711u		
Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
HDMI/VGA output	VGA: 1-ch, 1920×1080/60Hz,1280×1024/60Hz, 1280×720/60Hz,1024×768/60 Hz HDMI: 1-ch, 4K(3840×2160)/30Hz, 2K(2560×1440) 60Hz, 1920×1080/60Hz, 1280×1024 60Hz,1280×720/60Hz, 1024 × 768/60Hz		
Frame rate	Main-stream: 3 MP@12fps/1080P/720p/VGA WDI/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: WDI/4CIF/2CIF@12fps; CIF/QVGA QCIF@25fps (P)/30fps (N)		
Video bit rate	32 Kbps to 10 Mbps		
Audio output	1-ch, RCA (Linear, 1 KΩ)		
Audio bit rate	64 Kbps		
Stream type	Video, Video & Audio		
Synchronous playback	16-ch	8-ch	4-ch
Remote connection	128		
Network Protocols	TCP/IP, PPPoE, DHCP, Cloud P2P, DNS, DDNS NTP, SADP, SMTP, SNMP,NFS,iSCSI,UPnP,HTTPS		
SATA	2 SATA	2 SATA	1 SATA
Capacity	Up to 6 TB capacity for each disk		
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
Network interface	4-ch : 1, RJ45 10M/100M / 8-ch & 16-ch : 1, 10M/100M/1000M self-adaptive Ethernet		
Serial interface	1; RS-485 serial interface, half-duplex		
USB interface	4-ch : 2× USB2.0 / 8-ch & 16-ch : Front panel : 1× USB 2.0 / Rear panel: 1×USB 3.0		
Power Supply	12 VDC		
Consumption	16-ch: ≤20W	8-ch: ≤20W	4-ch: ≤15W
Working temperature	-10°C ~ +55°C		
Working humidity	10% to 90%		
Dimensions	380× 320× 48mm (15.0×12.6×1.9inch)		
Weight	≤2 kg (4.4 lb)		



Key Features

- Connectable to HDTVI, CVI, AHD and Analog cameras
- Up to 2-ch 2MP IP cameras input
- Long distance transmission over coaxial cable
- H.265+ compression improves encoding efficiency
- Full channel recording at up to 1080P resolution
- HDMI output at up to 4K (3840x2160) resolution
- 2 SATA interfaces (up to 6 TB capacity per HDD)
- 16-ch synchronous playback
- Support P2P and HiDDNS
- Smart search for efficient playback
- Supports Line Crossing and Intrusion Detection
- 1 Gigabit Ethernet network interfaces

Rear Panel



VDR-1601Plus/VDR-801Plus/VDR-401Plus.....

Technical Specifications

Model No	VDR-1601Plus VDR-801Plus VDR-401Plus		
Video compression	H.264+ / H.264		
HDTVI, CVI, AHD, Analog video input	16-ch	8-ch	4-ch
Encoding resolution	1080p/25Hz,1080p/30Hz,720p/25Hz,720p/30Hz 720P/50Hz, 720p/60Hz		
3MP View and record	4-ch	2-ch	1-ch
IP video input	2-ch	2-ch	1-ch
	Up to 2MP resolution		
Audio compression	G.711u		
Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
HDMI/VGA output	VGA: 1-ch, 1920×1080/60Hz,1280×1024/60Hz, 1280×720/60Hz,1024×768/60 Hz HDMI: 1-ch, 4K(3840×2160)/30Hz, 2K(2560×1440) 60Hz, 1920×1080/60Hz, 1280×1024 60Hz,1280×720/60Hz, 1024 × 768/60Hz		
Frame rate	Main-stream: 3 MP@12fps/1080 Lite/720p/VGA WDI/4CIF/CIF@25fps (P)/30fps (N) Sub-stream: WDI/4CIF/2CIF@12fps; CIF/QVGA QCIF@25fps (P)/30fps (N)		
Video bit rate	32 Kbps to 10 Mbps		
Audio output	1-ch, RCA (Linear, 1 KΩ)		
Audio bit rate	64 Kbps		
Stream type	Video, Video & Audio		
Synchronous playback	16-ch	8-ch	4-ch
Remote connection	128		
Network Protocols	TCP/IP, PPPoE, DHCP, Cloud P2P, DNS, DDNS NTP, SADP, SMTP, SNMP,NFS,iSCSI,UPnP,HTTPS		
SATA	2 SATA	2 SATA	1 SATA
Capacity	Up to 6 TB capacity for each disk		
Two-way audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
Network interface	4-ch : 1, RJ45 10M/100M / 8-ch & 16-ch : 1, 10M/100M/1000M self-adaptive Ethernet		
Serial interface	1; RS-485 serial interface, half-duplex		
USB interface	4-ch : 2× USB2.0 / 8-ch & 16-ch : Front panel : 1× USB 2.0 / Rear panel: 1×USB 3.0		
Power Supply	12 VDC		
Consumption	16-ch: ≤20W	8-ch: ≤20W	4-ch: ≤15W
Working temperature	-10°C ~ +55°C		
Working humidity	10% to 90%		
Dimensions	380× 320× 48mm (15.0×12.6×1.9inch)		
Weight	≤2 kg (4.4 lb)		



Key Features

- Connectable to HDTVI, CVI, AHD and Analog cameras
- Up to 2-ch 2MP IP cameras input
- Long distance transmission over coaxial cable
- H.264+ compression improves encoding efficiency
- Full channel recording at up to 1080 Lite resolution
- HDMI output at up to 4K (3840x2160) resolution
- 2 SATA interfaces (up to 6 TB capacity per HDD)
- 16-ch synchronous playback
- Support P2P and HiDDNS
- Smart search for efficient playback
- Supports Line Crossing and Intrusion Detection
- 1 Gigabit Ethernet network interfaces

Rear Panel



VDR-1601E / VDR-801E / VDR-401E

Technical Specifications

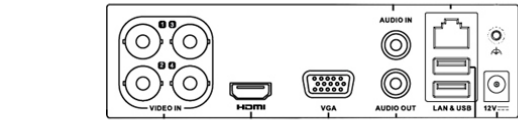


Key Features

- Connectable to HDTVI, CVI, AHD and Analog cameras
- Up to 2-ch 2MP IP cameras input
- Long distance transmission over coaxial cable
- H.264+ compression improves encoding efficiency
- Full channel recording at up to 1080 Lite resolution
- HDMI output at up to (1920x1080) resolution
- 1 SATA interfaces (up to 6 TB capacity)
- 16-ch synchronous playback
- Support P2P and HiDDNS
- Smart search for efficient playback
- Supports Line Crossing and Intrusion Detection

Model No	VDR-1601E	VDR-801E	VDR-401E
Video compression	H.264+ / H.264		
HDTVI, CVI, AHD, Analog video input	16-ch	8-ch	4-ch
Encoding resolution	1080Lite/25Hz,1080Lite/30Hz,720p/25Hz,720p/30Hz/720P/50Hz,720p/60Hz		
IP video input	2-ch	2-ch	1-ch
	Up to 2MP resolution		
Audio compression	G.711u		
Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
HDMI/VGA output	1-ch, 1920 × 1080/60Hz,1280 × 1024/60Hz 1280 × 720/60Hz, 1024 × 768/60Hz		
Frame rate	3 MP@12fps/1080 lite/720p/VGA/WDI/4CIF CIF@25fps (P)/30fps (N)		
Video bit rate	32 Kbps to 4 Mbps		
Audio output	1-ch, RCA (Linear, 1 KΩ)		
Audio bit rate	64 Kbps		
Dual Stream	Support		
Stream type	Video, Video & Audio		
Synchronous playback	16-ch	8-ch	4-ch
Remote connection	128	128	32
Network Protocols	TCP/IP, PPPoE, DHCP, Cloud P2P, DNS, DDNS NTP, SADP, SMTP, SNMP,NFS,iSCSI,UPnP,HTTPS		
SATA	1 SATA interface		
Capacity	Up to 6 TB capacity for each disk		
Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface		
USB interface	Rear panel: 2 × USB 2.0		
Power Supply	12 VDC		
Consumption	16-ch: ≤20W	8-ch: ≤12W	4-ch: ≤8W
Working temperature	-10°C ~ +55°C		
Working humidity	10% to 90%		
Dimensions	16-ch / 8-ch: 285 × 210 × 45 mm (11.2 × 8.3 × 1.8 inch) 4-ch: 200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch)		
Weight	16-ch / 8-ch: ≤ 1.2 kg (2.6 lb) 4-ch: ≤ 0.8 kg (1.8 lb)		

Rear Panel



VDR-1601L / VDR-801L / VDR-401L

Technical Specifications

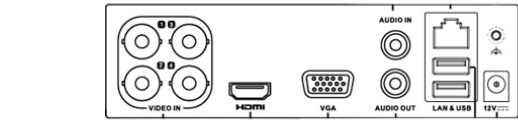


Key Features

- Connectable to HDTVI, CVI, AHD and Analog cameras
- Up to 2-ch 2MP IP cameras input
- Long distance transmission over coaxial cable
- H.264+ compression improves encoding efficiency
- Full channel recording at up to 1080 Lite resolution
- HDMI output at up to (1920x1080) resolution
- 1 SATA interfaces (up to 6 TB capacity)
- 16-ch synchronous playback
- Support P2P and HiDDNS
- Smart search for efficient playback
- Supports Line Crossing and Intrusion Detection

Model No	VDR-1601L	VDR-801L	VDR-401L
Video compression	H.264+ / H.264		
HDTVI, CVI, AHD, Analog video input	16-ch	8-ch	4-ch
Encoding resolution	1080Lite/25Hz,1080Lite/30Hz,720p/25Hz,720p/30Hz/720P/50Hz,720p/60Hz		
IP video input	2-ch	2-ch	1-ch
	Up to 2MP resolution		
Audio compression	G.711u		
Audio input	1-ch, RCA (2.0 Vp-p, 1 KΩ)		
HDMI/VGA output	1-ch, 1920 × 1080/60Hz,1280 × 1024/60Hz 1280 × 720/60Hz, 1024 × 768/60Hz		
Frame rate	Main stream: 1080Lite/720p/WDI/4CIF/VGA CIF@25fps (P)/30fps (N) Sub-stream:CIF/QVGA/QCIF@25fps(P)/30fps(N) 4CIF/2CIF@6fps		
Video bit rate	32 Kbps to 4 Mbps		
Audio output	1-ch, RCA (Linear, 1 KΩ)		
Audio bit rate	64 Kbps		
Dual Stream	Support		
Stream type	Video, Video & Audio		
Synchronous playback	16-ch	8-ch	4-ch
Remote connection	128	128	32
Network Protocols	TCP/IP, PPPoE, DHCP, Cloud P2P, DNS, DDNS NTP, SADP, SMTP, SNMP,NFS,iSCSI,UPnP,HTTPS		
SATA	1 SATA interface		
Capacity	Up to 6 TB capacity for each disk		
Network interface	1, RJ45 10M/100M self-adaptive Ethernet interface		
USB interface	Rear panel: 2 × USB 2.0		
Power Supply	12 VDC		
Consumption	16-ch: ≤20W	8-ch: ≤12W	4-ch: ≤8W
Working temperature	-10°C ~ +55°C		
Working humidity	10% to 90%		
Dimensions	16-ch / 8-ch: 285 × 210 × 45 mm (11.2 × 8.3 × 1.8 inch) 4-ch: 200 × 200 × 45 mm (7.9 × 7.9 × 1.8 inch)		
Weight	16-ch / 8-ch: ≤ 1.2 kg (2.6 lb) 4-ch: ≤ 0.8 kg (1.8 lb)		

Rear Panel





NETWORK PRODUCTS

NETWORK CAMERA / PTZ SERIES

360° Panoramic + PTZ Camera

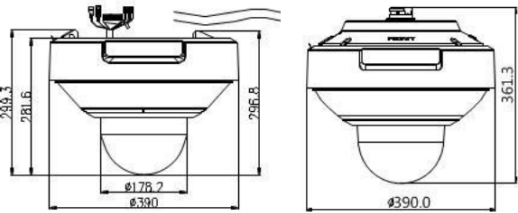
VNC-6280



Key Features

- 1/1.9"Progressive Scan CMOS
- 360° view angle
- Up to 2 x 4096 x 1800@30fps
- 36X optical zoom
- 16X digital zoom
- Wide Dynamic Range
- 3D intelligent positioning function
- 36VDC power supply
- UTC (Up the Coax) function
- IP66 weatherproof

Dimensions



Technical Specifications

Model No	VNC-6280
Panaromic Image Sensor	1/1.9" Progressive Scan CMOS
Min. Illumination	Color: 0.005 Lux , B/W: 0.0005 Lux
Max. Image Resolution	2 × 4096 × 1800
Support	One-touch Link, Multiple Target Tracking Calibration, Tracking Time, Sensitivity
Smart Detection	Intrusion detection, Line crossing detection, Region entrance detection,Region exiting detection
Number of Targets	Up to 60 targets can be detected at the same time
Lens	f5.0mm/ F2.2
Angle of View	Horizontal : 360° , Vertical : 80°
Main Stream	50Hz: 25fps2×(4096×1800,3840×1680, 2720×1192) 60Hz: 30fps2×(4096×1800,3840×1680,2720×1192)
Image Compression	H.264(Baseline, Main, High Profile)/MJPEG
Others	HLC, 3D DNR, (Target switch time : <1s)
PTZ Image Sensor	1/1.9" Progressive Scan CMOS
Max. Image Resolution	1920 × 1080
Min. Illumination	Color: 0.002Lux @ (F1.5, AGC ON)
Focal Length	5.7–205.2mm, 36X
Zoom Speed	Approx.6.6s (Optical Wide-Tele)
Angle of View	58.7°-2.0°(Wide-Tele)
Min. Working Distance	10-1500mm(Wide-Tele)
White Balance	Auto/Manual/ATW/Indoor/Outdoor/Daylight lamp
Day & Night	IR Cut Filter
Main Stream	50Hz: 25fps(1920 × 1080,1280 × 960, 1280 × 720) 60Hz: 30fps(1920 × 1080,1280 × 960,1280 × 720)
Image Compression	H.264(Baseline, Main, High Profile)/MJPEG/MPEG4
Others	WDR,HLC,3D DNR,EIS,Defog(opt),ROI,Privacy Mask
Range	Pan: 360° endless; Tilt: -15° - 90° (Auto flip)
Speed	Pan Speed: 0.1°-300°/s, Pan Preset Speed: 540°/s Tilt Speed: 0.1°-240°/s, Tilt Preset Speed: 400°/s
Alarm I/O	7/2
Audio Input	1 Mic in/Line in interface, line input: 2-24V[p-p]
Audio Output	1 Audio output interface,line level,impedance:600Ω
Audio compression	G.711ulaw/G.711alaw/G.722/G.726/MP2L2/PCM
Protocols	IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTP,TCP,UDP IGMP,ICMP, DHCP,PPPOE
Application Programming	Open-ended API, Onvif, ISAPI, PSIA
Onborad Storage	Micro SD/SDHC/SDXC card slot,up to 128GB
Power	DC 36V, MAX. 120W (heater:44W)
Working Tempreature	-40°C ~ +65°C , Humidity 90% or less
Protection Level	IP66standard, TVS 6,000V lightning protection
Dimensions	Φ 390(mm)×361.3(mm)
Weight	14kg(approx.)

8MP Network Laser IR PTZ Dome Camera

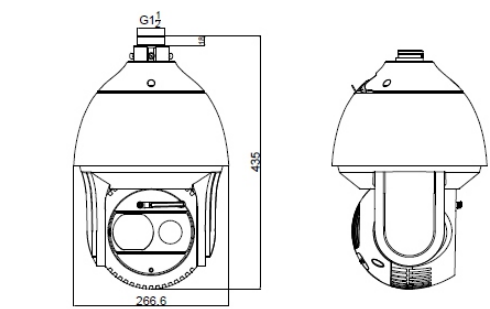
VNC-5880L / VNC-5880 Technical Specifications



Key Features

- 1/1.9" HD CMOS sensor
- 4K 8MP(4096x2160)
- 36X Optical Zoom
- 120dB True WDR
- Smart Tracking & Smart Detection
- VNC-5880L : Up to 500m IR distance (Laser)
- VNC-5880 : Up to 200m IR distance
- Support wiper
- Hi-PoE / 24VAC power supply

Dimensions



Model No	VNC-5880L VNC-5880
Image Sensor	1/1.9" Progressive Scan CMOS
Min. Illumination	AGC On:Color:0.02 lux,B/W:0.002 lux,0lux with IR
Max. Image Resolution	4096x2160
Features	Privacy Mask, Digital Zoom 16x, HLC, BLC, WDR, 3D DNR, IR Cut Filter, Support Trip-streams, AGC
Smart Features	Smart tracking, Smart detection & ROI encoding
Focal Length	6.2-202mm, 36x
Angle of View	56.8-2.02degree (Wide-Tele)
Pan and Tilt Range	Pan:360° endless; Tilt: -20°~90°(Auto Flip)
Pan and Tilt Speed	Pan Manual Speed:0.1°~160°/s, preset speed:240°/s Tilt Manual Speed:0.1°~120°/s, preset speed:200°/s
Number of Preset	300
Park Action	Preset / Patrol / Pattern / Auto scan / Tilt scan Random scan / Frame scan / Panorama scan
Patrol	8 patrols, up to 32 presets per patrol
Preset Freezing	Support
Scheduled Task	Preset / Patrol / Pattern / Auto scan / Tilt scan Random scan / Frame scan / Panorama scan Dome reboot/Dome adjust/Aux output
IR Distance	VNC-5880L : 500m (Laser) / VNC-5880 : 200m
IR Intensity	Automatically adjust,depending on the zoom ratio
Audio input	1 Mic in/line in interface, line input: 2-24V[p-p]
Audio output	1 Audio output interface,line level,impedance:600Ω
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
Frame Rate	50Hz:25fps(4096×2160, 3840×2160, 3072×1728, 2560×1440, 1920×1080, 1280×720) 60Hz:24fps (4096×2160), 30fps(3840×2160, 3072×1728)
Image Compression	H.264/MJPEG, H.264 encoding
Audio Compression	G.711ulaw/G.711alaw/G.726/MP2L2/G.722/PCM
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	Up to 20 users
Mini SD Memory Card	Up to 128GB Micro SD/SDHC/SDXC card.
User/Host Level	Up to 32 users,3 Levels:administrator,operator&user
Application programming	Open-ended API, support ONVIF, PSIA, CGI
Web Browser	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02+
Power	High-PoE624 VAC, Max.60W
Working temperature	-40°C ~ +65°C , Humidity 90% or less
Protection Level	IP66, IK10, TVS 6,000V lightning protection, surge protection and voltage transient protection
Dimensions	Φ266.6(mm)×435(mm)
Weight	8kg (approx.)

3MP High Frame Rate Smart PTZ Camera

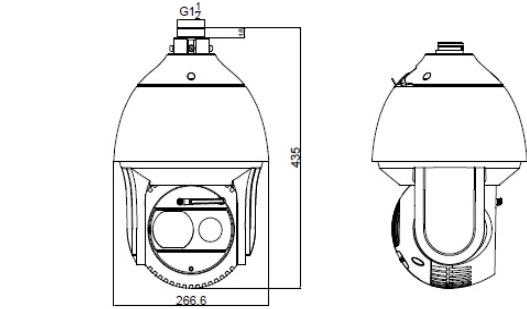
VNC-5380 Technical Specifications



Key Features

- 1/3" HD CMOS sensor
- 3MP (2048*1536) resolution
- High frame rate, up to 60fps@3MP
- 36X Optical Zoom
- 120dB True WDR
- Smart Tracking , Smart Detection
- Defog
- 200m IR distance & support wiper
- Hi-PoE / 24VAC power supply

Dimensions



Model No	VNC-5380
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	AGC On:Color:0.05 lux,B/W:0.01 lux ,0 lux with IR
Max. Image Resolution	2048×1536
Features	Privacy Mask, Digital Zoom 16x, HLC, BLC, DWDR, 3D DNR, IR Cut Filter, Support Trip-streams, AGC
Smart Features	Smart tracking, Smart detection & ROI encoding
Focal Length	5.7-205mm, 36x
Angle of View	60.6-3.68 degree (Wide-Tele)
Pan and Tilt Range	Pan:360° endless; Tilt: -20°~90°(Auto Flip)
Pan and Tilt Speed	Pan Manual Speed:0.1°~160°/s, preset speed:240°/s Tilt Manual Speed:0.1°~120°/s, preset speed:200°/s
Number of Preset	300
Park Action	Preset / Patrol / Pattern / Auto scan / Tilt scan Random scan / Frame scan / Panorama scan
Patrol	8 patrols, up to 32 presets per patrol
Preset Freezing	Support
Scheduled Task	Preset / Patrol / Pattern / Auto scan / Tilt scan Random scan / Frame scan / Panorama scan Dome reboot/Dome adjust/Aux output
IR Distance	Up to 200m
IR Intensity	Automatically adjust,depending on the zoom ratio
Audio input	1 Mic in/line in interface, line input: 2-24V[p-p]
Audio output	1 Audio output interface,line level,impedance:600Ω
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
Frame Rate	50Hz: 25fps(2048×1536), 25fps(1920×1080),50fps (2048×1536), 50fps(1920×1080), 60Hz: 30fps (2048×1536) /60fps(2048×1536),60fps(1920×1080)
Image Compression	H.264/MJPEG, H.264 encoding
Audio Compression	G.711ulaw/G.711alaw/G.726/MP2L2/G.722
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	Up to 20 users
Mini SD Memory Card	Up to 128GB Micro SD/SDHC/SDXC card.
User/Host Level	Up to 32 users,3 Levels:administrator,operator&user
Application programming	Open-ended API, support ONVIF, PSIA, CGI
Web Browser	IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02+
Power	High-PoE624 VAC, Max.60W
Working temperature	-40°C ~ +65°C , Humidity 90% or less
Protection Level	IP66, IK10, TVS 6,000V lightning protection, surge protection and voltage transient protection
Dimensions	Φ266.6(mm)×365.2(mm)
Weight	8kg (approx.)

2MP Network IR PTZ Dome Camera

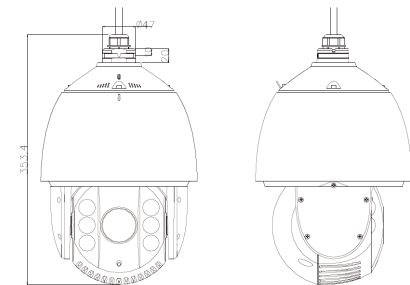
VNC-4285



Key Features

- 1/2.8” Progressive Scan CMOS
- 1080P Full HD resolution
- 30X optical zoom, 16X digital zoom
- Up to 120m IR distance
- True Day/Night, 3D DNR
- Digital Wide Dynamic Range
- 3D intelligent positioning
- 24VAC / High-PoE power supply

Dimensions



Technical Specifications

Model No	VNC-4285
Image Sensor	1/2.8” Progressive Scan CMOS
Effective Pixel	2230K pixels
Min. Illumination	Color: 0.05lux (F1.6) / B/W: 0.01lux (F1.6)
Features	Privacy Mask, Digital Zoom 16x, HLC, BLC, DWDR 3D DNR, IR Cut Filter, Dual Streams
Focal Length	4.3 ~ 129mm, 30X
Angle of View	65.1 ~ 234 degree (Wide-Tele)
Pan/Tilt Range	Pan: 360° endless; Tilt: -15° ~ 90° (Auto Flip)
Pan/Tilt Speed	Pan:Manual Speed:0.1°~160°/s,Preset Speed:240°/s Tilt:Manual Speed:0.1°~120°/s,Preset Speed:200°/s
Number of Preset	256
Park Action	Pattern/Pan scan/Tilt scan/Frame scan Panorama scan/Random scan
Patrol	8 patrols, up to 32 presets per patrol
Preset Freezing	Support
Scheduled Task	Preset / Patrol / Pattern / Pan scan / Tilt scan Random scan / Frame scan / Panorama scan Dome reboot/Self-test action/Alarm output
IR Distance	Up to 120m
IR Intensity	Automatically adjusted,depending on zoom ratio
Audio input	1 Mic in/Line in interface
Audio output	1Audio output interface,Line level,impedance:600Ω
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Max. image resolution	1920x1080
Frame Rate	50Hz: 25 fps (1920×1080), 25 fps (1280×960) 25 fps (1280×720) 60Hz: 30 fps (1920×1080) 30 fps (1280×960) , 30 fps (1280×720)
Image Compression	H.264/MJPEG
Audio Compression	G.711u /G.711a /G.726 /MP2L2
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP,TCP UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	Up to 6
Mini SD Memory Card	Micro SD slot, up to 32GB
User/Host Level	Up to 32 , 3 Levels: Administrator, Operator, User
Application programming	Open-ended API, support Onvif, PSIA and CGI
Web Browser	IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+
Power	24 VAC, max. 30W High-PoE & 24 VAC, max. 30W
Working temperature	-30°C ~ +65°C , Humidity 90%
Protection Level	IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection
Dimensions	Φ220×353.4mm (Φ8.66”×13.91”)(Outdoor)
Weight	Approx. 5.5kg(12.13lbs)

2MP Network IR PTZ Dome Camera

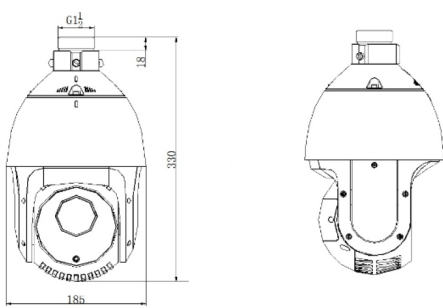
VNC-2281



Key Features

- 1/2.8” Progressive Scan CMOS
- 1080P Full HD resolution
- 20X optical zoom, 16X digital zoom
- Up to 150m IR distance
- True Day/Night, 3D DNR
- Digital Wide Dynamic Range
- 3D intelligent positioning
- 24VAC / High-PoE power supply

Dimensions



Unit:mm

Technical Specifications

Model No	VNC-2281
Image Sensor	1/2.8” Progressive Scan CMOS
Min. Illumination	F1.5, AGC On: Color: 0.02 lux, B/W : 0.002 lux
Features	Privacy Mask, Digital Zoom 16x, HLC, BLC, DWDR 3D DNR, IR Cut Filter, Dual Streams
Focal Length	4.7 ~ 94mm, 20x
Angle of View	58.3 ~ 32 degree (Wide-Tele)
Pan/Tilt Range	Pan: 360° endless; Tilt: -15° ~ 90° (Auto Flip)
Pan/Tilt Speed	Pan:Manual :0.1°~400°/s,Preset Speed:400°/s Tilt:Manual :0.1°~200°/s,Preset Speed:200°/s
Number of Preset	300
Park Action	Pattern/Pan scan/Tilt scan/Frame scan Panorama scan/Random scan
Patrol	8 patrols, up to 32 presets per patrol
Scheduled Task	Preset / Patrol / Pattern / Pan scan / Tilt scan Random scan / Frame scan / Panorama scan
IR Distance	Up to 150m
IR Intensity	Automatically adjusted,depending on zoom ratio
Alarm I/O - Trigger	2/I - Intrusion detection, Line crossing detection Audio exception detection, Motion detection
Alarm Action	Preset, Patrol, Pattern, Recording, Relay output Upload center, Upload FTP, Email linkage
Audio input	1 Mic in/Line in interface
Audio output	1Audio output interface,Line level,impedance:600Ω
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Max. image resolution	1920x1080
Frame Rate	50Hz: 25 fps (1920×1080), 25 fps (1280×960) 25 fps (1280×720) 60Hz: 30 fps (1920×1080) 30 fps (1280×960) , 30 fps (1280×720)
Image Compression	H.264/MJPEG
Audio Compression	G.711u /G.711a /G.726 /MP2L2
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP,TCP UDP, IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	Up to 20 users
Mini SD Memory Card	Micro SD slot, up to 32GB
User/Host Level	Up to 32 , 3 Levels: Administrator, Operator, User
Application programming	Open-ended API, support Onvif, PSIA and CGI
Web Browser	IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+
Power	High-PoE&24 VAC, Max.30W
Working temperature	-30°C ~ +65°C , Humidity 90%
Protection Level	IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection
Dimensions	Φ266.6(mm)×365.2(mm)
Weight	4kg (8.8lbs)

3MP Network Mini PTZ Dome Camera

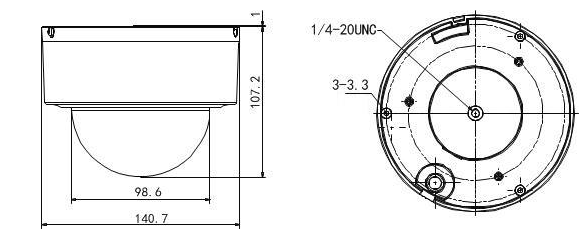
VNC-2380



Key Features

- 1/2.8" Progressive Scan CMOS
- 2048 x 1536
- 4X Optical Zoom
- DWDR
- Support IP66/IK10
- PoE(802.3af)
- Support RS485
- Support HiDDNS
- Support plug & play
- Support H.265

Dimensions



Technical Specifications

Model No	VNC-2380
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	F1.6, AGC On : Color : 0.05 lux, B/W : 0.01 lux
Max. Image Resolution	2048(H) × 1536(V)
Focal Length	2.8-12mm, 4x / Digital zoom : 16X
Angle of view	105-33.5 degree (Wide-Tele)
Aperture Range	F1.6 -F2.7
Focus Mode	Auto / Semiautomatic / Manual
DWDR	Support
S/N Ratio	≥ 52dB
Shutter Time	1/1-1/10,000s
White Balance	Auto / Manual /ATW/Daylight lamp/Sodium lamp
Day & Night	IR Cut Filter
Enhancement	3D DNR, HLC/BLC, Privacy Mask, AGC, ROI
Pan and Tilt Range	Pan: 0-350°; Tilt: 0°-90°
Pan and Tilt Speed	Pan Manual Speed:0.1°-60°/s,Preset Speed: 60°/s Tilt Manual Speed:0.1°-50°/s,Preset Speed: 50°/s
Detection	Intrusion detection, line crossing detection, audio exception detection, motion detection
Alarm Trigger	Intrusion detection,Line crossing,Motion detection Audio Exception Detection, Dynamic analysis Tampering alarm, Network disconnect, IP address conflict, Storage exception
Alarm Action	Preset, Recording, Relay output, Upload center Upload FTP, Email linkage
Audio input	1 built-in microphone; 1 audio input (Mic/Line in) 2-2.4V[p-p]; output impedance: 1KΩ, ±10%
Audio output	1 output, Line level, impedance: 600Ω
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Frame Rate	50Hz:25fps(2048×1536), 25fps(1920×1080) 25fps(1280×960), 25fps(1280×720) 60Hz:30fps(2048×1536), 30fps(1920×1080) 30fps(1280×960), 30fps(1280×720)
Image Compression	H.265/H.264/MJPEG
Audio Compression	G.711ulaw/G.711alaw/G.726/MP2L2/G.722/PCM
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.IX, QoS, FTP, SMTP UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP UDP,IGMP, ICMP, DHCP, PPPoE
Simultaneous Live View	Up to 20 users
Mini SD Memory Card	Up to 128GB Micro SD/SDHC/SDXC card
Power	POE&12 VDC, Max. 8W
Working Temperature	-30°C ~ +65°C , humidity 90% or less
Protection Level	IP66, TVS 4,000V lightning protection
Dimensions	Φ140.7×107.2mm
Weight	950g

2MP Network IR Mini PTZ Dome Camera

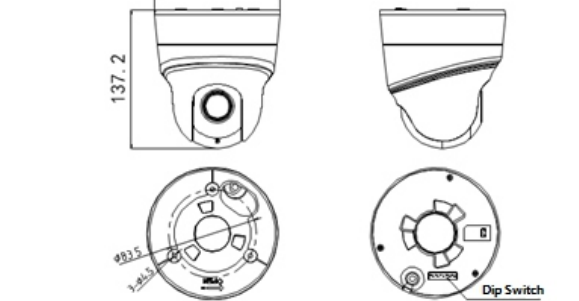
VNC-2280



Key Features

- 1/3" Progressive Scan CMOS
- 1920 x 1080
- 2X Zoom
- DWDR
- Support WiFi
- 3D intelligent positioning function
- PoE (802.3af)
- Support HiDDNS
- Up to 20m IR distance

Dimensions



Technical Specifications

Model No	VNC-2280
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	F2.0,AGC On:Color:0.05 lux, B/W:0.01 lux
Max. Image Resolution	1920(H) x 1080(V)
Focal Length	3.6-8.6mm, 2X / Digital zoom : 16X
Angle of view	77-50 degree (Wide-Tele)
Aperture Range	F2.0
Focus Mode	Auto / Semiautomatic / Manual
DWDR	Support
S/N Ratio	≥ 52dB
Shutter Time	1/1-1/10,000s
White Balance	Auto / Manual /ATW/Daylight lamp/Sodium lamp
Day & Night	IR Cut Filter
Enhancement	3D DNR, HLC/BLC, Privacy Mask, AGC, ROI
Pan and Tilt Range	Pan: 0-350°; Tilt: 0°-90°
Pan and Tilt Speed	Pan Manual Speed:0.1°-60°/s,Preset Speed: 60°/s Tilt Manual Speed:0.1°-50°/s,Preset Speed: 50°/s
Detection	Intrusion detection, line crossing detection, audio exception detection, motion detection
Alarm Trigger	Intrusion detection,Line crossing,Motion detection Audio Exception Detection, Dynamic analysis Tampering alarm, Network disconnect, IP address conflict, Storage exception
Alarm Action	Preset, Recording, Relay output, Upload center Upload FTP, Email linkage
Audio input	1 built-in microphone; 1 audio input (Mic/Line in) 2-2.4V[p-p]; output impedance: 1KΩ, ±10%
Audio output	1 output, Line level, impedance: 600Ω
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Frame Rate	50Hz: 25 fps(1920×1080)60Hz: 30 fps(1920×1080)
Image Compression	H.264/MJPEG
Audio Compression	G.711ulaw/G.711alaw/G.726/MP2L2/G.722/PCM
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.IX, QoS, FTP, SMTP UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP UDP,IGMP, ICMP, DHCP, PPPoE
Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.4 GHz ~ 2.4835 Ghz
Simultaneous Live View	Up to 20 users
Mini SD Memory Card	Up to 128GB Micro SD/SDHC/SDXC card
Power	POE&12 VDC, Max. 8W
Working Temperature	-30°C ~ +65°C , humidity 90% or less
Protection Level	IP54, TVS 4,000V lightning protection
IR Distance	Up to 20 Meter
Dimensions	Φ125×137.2mm
Weight	650g

4K Smart Box Camera

VNC-5810

Technical Specifications



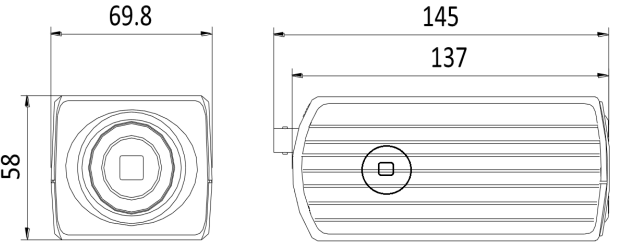
- 8MP
- C/CS
- Smart Series
- H.264+
- 3D DNR
- SD Card
- POE

Key Features

- 1/1.7" Progressive Scan CMOS
- 4096 x 2160 @ 22fps frame rate
- Support C/CS Mount lens
- H.264+ / H.264 / MJPEG Compression
- Support Full Smart Function
- DWDR, 3D DNR, BLC, ROI, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)

Model No	VNC-5810
Image Sensor	1/1.7" Progressive Scan CMOS
Min. Illumination	Color: 0.009 Lux @ (F1.2, AGC ON), B/W: 0.012 Lux @ (F1.2, AGC ON)
Shutter Time	1s ~ 1/100,000s
Slow Shutter	Support
Lens Mount	C/CS mount
Auto IRIS	DC drive
Day & Night	IR Cut Filter with auto switch
Wide Dynamic Range	DWDR
Video Compression	H.264+ / H.264 / MJPEG
Video bit rate	32 Kbps ~ 16 Mbps
Audio compression	G.711/G.722.1/G.726/MP2L2
Audio bit rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726)
Max. resolution	4096 x 2160
Frame rate	50Hz:22fps(4096×2160),25fps(3840×2160, 1920×1080,1280×720) / 60Hz: 22fps (4096×2160) 24fps(3840×2160),30fps(1920×1080,1280×720)
Image Enhancement	BLC/3D-DNR/ROI/Defog
Image settings	Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software
Day/Night Switch	Auto/Schedule/Triggered by Alarm In
Network Storage	NAS (Support NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP,DNS DDNS, RTP, RTSP, RTCP,PPPoE, NTP, UPnP, SMTP SNMP, IGMP, 802.IX, QoS, IPv6, Bonjour
Security	User Authentication, Watermark,IP address filtering Anonymous access
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Audio	1-ch 3.5 mm audioin(Mic in/Line in)/outinterface 1 build-in Microphone
Communication Interface	1 RJ45 10M/100M/1000MEthernet port, 1 RS-485 interface and 1 RS-232 interface
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board Storage	Built-in Micro SD/SDHC/SDXC slot, up to 128GB
Smart Features	Behavior Analysis,Line Crossing,Intrusion Detection Exception Detections, Region Entrance/Exiting Object Removal, Unattended Baggage, Statistics
Operating Conditions	-30°C ~ +60°C , Humidity 95%
Power Supply	24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af)
Power Consumption	Max. 6 W (Max. 9W with IR cut filter on)
Dimensions	69.8×58×145 mm (2.75" × 2.28" × 5.71")
Weight	830 g (1.83 lbs)

Dimension



6MP & 3MP WDR Day & Night Box Camera

VNC-5610 / VNC-5310

Technical Specifications



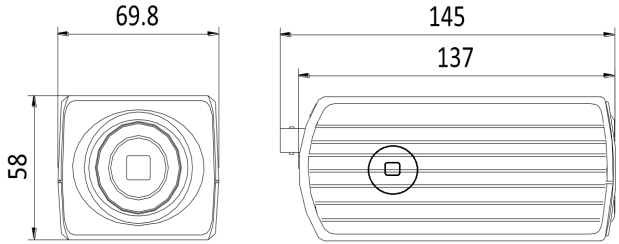
- 6MP
- C/CS
- Smart Series
- 3D DNR
- WDR
- SD Card
- POE

Key Features

- 1/1.8" Progressive Scan CMOS
- 3072 x 2048 @ 25fps frame rate
- Support C/CS Mount lens
- True WDR, up to 120dB
- H.264 / MJPEG Compression
- Support Full Smart Function
- 3D DNR, BLC, ROI, Defog
- PoE, ONVIF, SD Card

Model No	VNC-5610 VNC-5310
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux / B/W: 0.001 Lux
Shutter Time	1/3s ~ 1/100,000s / (Slow Shutter support)
Lens Mount	C/CS mount
Auto IRIS	DC drive (-P: support P-Iris)
Day & Night	ICR (Auto/Schedule/Alarm Trigger)
Smart Focus	Support ABF
Video Compress & bit rate	H.264/MJPEG & 32 Kbps ~ 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio bit rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726)
Max. resolution	3072 x 2048 2048 x 1536
Frame rate	50Hz: 24fps (3072×2048), 25fps (3072×1728 2560×2048,2560×1920,2048×1536,1920×1080 1280×720) 60Hz: 24fps (3072×2048),30fps (3072× 1728,2560×2048,2560×1920,2048×536,1920×1080
Features	WDR/BLC/Defog/Regional Cropping/Reset Key
Image settings	Rotate mode, saturation, brightness, contrast grayscale adjust in client,software or web browser
Day/Night Switch	Auto/Schedule/Triggered by Alarm In
Network storage	NAS (Support NFS,SMB/CIFS), ANR
Alarm trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6, Bonjour
Security	User Authentication, Watermark, IP addressfiltering Anonymous access
System compatibility	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Audio	1-ch 3.5 mm audioin(Mic in/Line in)/outinterface 1 build-in Microphone
Communication interface	1 RJ45 10M / 100M ethernet port,1 RS-485, 1 RS-232
Alarm	Input,output (up to DC24V 1A or AC110V 500mA)
Video Output	1 Vp-p composite output (75 Ω / BNC)
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128GB
Smart Functions	Behavior Analysis,Line Crossing Detection,Region ExitingIntrusion Detection,Unattended Baggage Object Removal,Exception Detections,Recognition Region Entrance,Statistics
Operating conditions	-30°C ~ +60°C , Humidity 95%
Power supply	24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af)
Power consumption	Max. 6 W (Max. 9W with IR cut filter on)
Dimensions	69.8×58×145 mm (2.75" × 2.28" × 5.71")
Weight	830 g (1.83 lbs)

Dimension



4K Motorized Network Bullet Camera

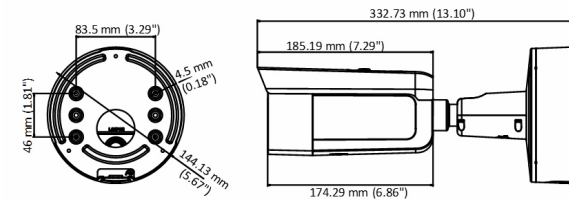
VNC-5835



Key Features

- 1/2.5" progressive scan CMOS
- 3840 × 2160 @20fps frame rate
- 2.8-12 mm Motorized Lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 50m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Technical Specifications

Model No	VNC-5835
Image Sensor	1/2.5" progressive scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8-12 mm Motorized Lens
Lens Mount	φ14
Iris	F 1.6
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	3840 × 2160
Frame rate	50Hz: 20 fps (3840 × 2160), 25 fps (2944 × 1656 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160), 30 fps (2944 × 1656 2560 × 1440, 1920 × 1080, 1280 × 720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95%
Power Supply	12 VDC ± 25%, PoE(802.3af) , PoE, 12.5W
IR Range	Up to 50 m
Protection Level	IP 67
Dimensions	Φ144.13×332.73 mm (Φ5.67"× 13.10")
Weight	1893 g (4.17 lb.)

4K Network Bullet Camera

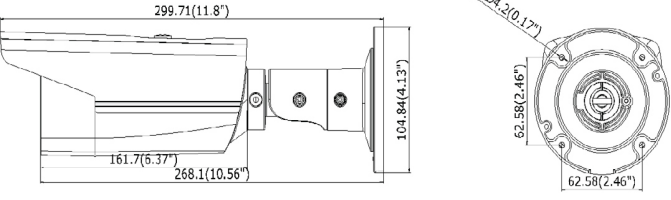
VNC-5826



Key Features

- 1/2.5" progressive scan CMOS
- 3840 × 2160 @20fps frame rate
- 2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 80m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Technical Specifications

Model No	VNC-5826
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.01 lux @ (F1.2, AGC ON), 0 lux with IR
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
Lens Mount	M 12
Iris	F 2.0
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	3840 × 2160
Frame rate	50Hz: 20 fps (3840 × 2160), 25 fps (2560 × 1920 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160), 30 fps (2560 × 1920 2560 × 1440, 1920 × 1080, 1280 × 720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95%
Power Supply	12 VDC ± 25%, PoE(802.3af) , PoE, 12.5W
IR Range	Up to 80 m
Protection Level	IP 67
Dimensions	Φ104.8 × 299.7 mm (Φ4.13" × 11.8")
Weight	1200 g (2.65 lb.)

4K Motorized Network Turret Camera

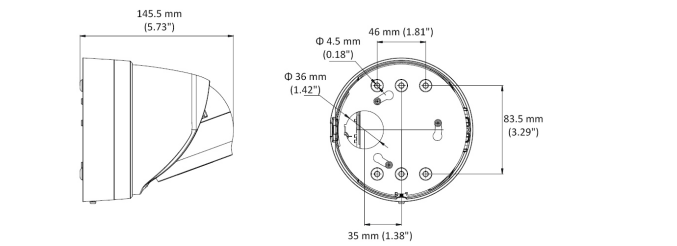
VNC-5875



Key Features

- 1/2.5" progressive scan CMOS
- 3840 × 2160 @20fps frame rate
- 2.8-12 mm Motorized Lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 30m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Technical Specifications

Model No	VNC-5875
Image Sensor	1/2.5" progressive scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8-12 mm Motorized Lens
Iris	F 1.4
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	3840 × 2160
Frame rate	50Hz: 20 fps (3840 × 2160), 25 fps (2944 × 1656, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160), 30 fps (2944 × 1656, 2560 × 1440, 1920 × 1080, 1280 × 720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Audio	1 input (line in, 3.5 mm),1 output(3.5 mm),single track
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95%
Power Supply	12 VDC ± 25%, PoE (802.3af), PoE , max. 11W
IR Range	Up to 30 m
Protection Level	IP 67
Dimensions	Φ 135.8 mm × 145.5 mm (Φ 5.35" × 5.73")
Weight	1060 g (2.34 lb.)

4K Network Turret Camera

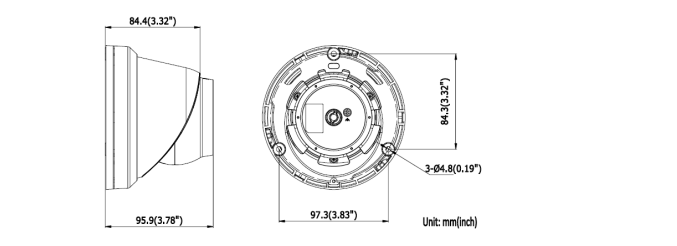
VNC-5865



Key Features

- 1/2.5" progressive scan CMOS
- 3840 × 2160 @20fps frame rate
- 2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 30m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Technical Specifications

Model No	VNC-5865
Image Sensor	1/2.5" progressive scan CMOS
Min. Illumination	Color: 0.01 lux @(F1.2, AGC ON), 0 lux with IR
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
Lens Mount	M 12
Iris	F 2.0
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	3840 × 2160
Frame rate	50Hz: 20fps (3840 × 2160), 25fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20fps (3840 × 2160), 30fps (2560 × 1920, 2560 × 1440, 1920 × 1080, 1280 × 720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95%
Power Supply	12 VDC ± 25%, 6.5 W , PoE(802.3af) , 8.5 W
IR Range	Up to 30 m
Protection Level	IP 67
Dimensions	Φ 127.3 × 95.9 mm (5.01" × 3.78")
Weight	620 g (1.37 lb.)

5 MP Motorized Network Bullet Camera

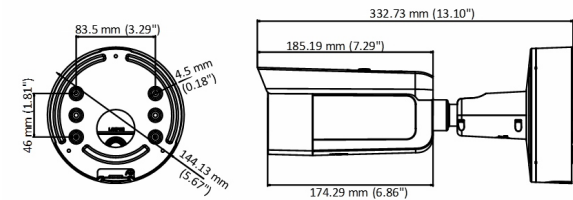
VNC-5535



Key Features

- 1/2.9" progressive scan CMOS
- 2944 × 1656 @20fps frame rate
- 2.8-12 mm Motorized Lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 50m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Technical Specifications

Model No	VNC-5535
Image Sensor	1/2.9" progressive scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8-12 mm Motorized Lens
Lens Mount	φ14
Iris	F 1.6
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	2944 × 1656
Frame rate	50Hz: 20 fps (2944 × 1656), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2944 × 1656), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95%
Power Supply	12 VDC ± 25%, PoE(802.3af) , PoE, 12.5W
IR Range	Up to 50 m
Protection Level	IP 67
Dimensions	Φ144.13×332.73 mm (Φ5.67"× 13.10")
Weight	1893 g (4.17 lb.)

5 MP Network Bullet Camera

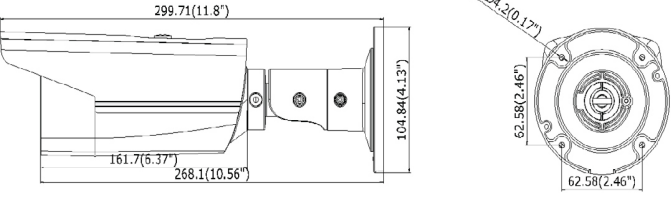
VNC-5525



Key Features

- 1/2.9" progressive scan CMOS
- 2560 × 1920 @ 20fps frame rate
- 2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 80m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Technical Specifications

Model No	VNC-5525
Image Sensor	1/2.9" progressive scan CMOS
Min. Illumination	Color: 0.01 lux @ (F1.2, AGC ON), 0 lux with IR
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
Lens Mount	M 12
Iris	F 2.0
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	2560 × 1920
Frame rate	50Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95%
Power Supply	12 VDC ± 25%, PoE(802.3af) , PoE, 12.5W
IR Range	Up to 80 m
Protection Level	IP 67
Dimensions	Φ104.8 × 299.7 mm (Φ4.13" × 11.8")
Weight	1200 g (2.65 lb.)

5 MP Motorized Network Turret Camera

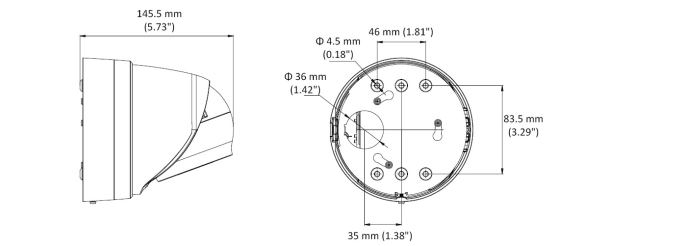
VNC-5575



Key Features

- 1/2.5" progressive scan CMOS
- 2560 × 1920 @20fps frame rate
- 2.8-12 mm Motorized Lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 30m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Technical Specifications

Model No	VNC-5575
Image Sensor	1/2.9" progressive scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8-12 mm Motorized Lens
Iris	F 1.4
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	2560 × 1920
Frame rate	50Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Audio	1 input (line in, 3.5 mm),1 output(3.5 mm),single track
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95%
Power Supply	12 VDC ± 25%, PoE (802.3af), PoE , max. 11W
IR Range	Up to 30 m
Protection Level	IP 67
Dimensions	Φ 135.8 mm × 145.5 mm (Φ 5.35" × 5.73")
Weight	1060 g (2.34 lb.)

5 MP Network Turret Camera

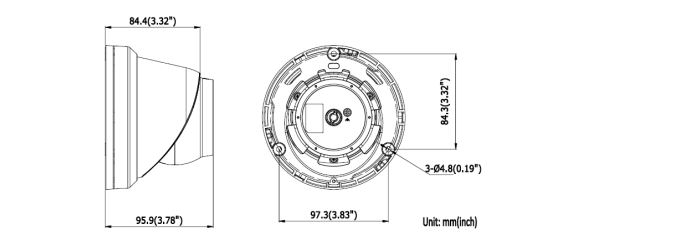
VNC-5565



Key Features

- 1/2.9" progressive scan CMOS
- 2560 × 1920 @20fps frame rate
- 2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 30m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Technical Specifications

Model No	VNC-5565
Image Sensor	1/2.9" progressive scan CMOS
Min. Illumination	Color: 0.01 lux @ (F1.2, AGC ON), 0 lux with IR
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
Lens Mount	M 12
Iris	F 2.0
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	2560 × 1920
Frame rate	50Hz: 20 fps (2560 × 1920), 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (2560 × 1920), 30 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95%
Power Supply	12 VDC ± 25%, 6.5 W , PoE(802.3af) , 8.5 W
IR Range	Up to 30 m
Protection Level	IP 67
Dimensions	Φ 127.3 × 95.9 mm (5.01" × 3.78")
Weight	620 g (1.37 lb.)

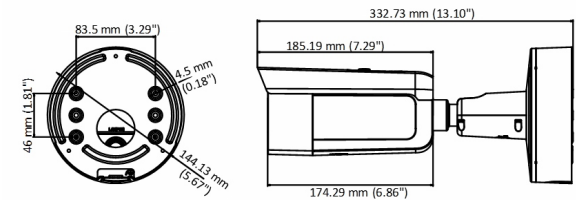
VNC-5335



Key Features

- 1/2.8" progressive scan CMOS
- 2048 × 1536 @30fps frame rate
- 2.8-12 mm Motorized Lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 50m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Technical Specifications

Model No	VNC-5335
Image Sensor	1/2.9" progressive scan CMOS
Min. Illumination	Color: 0.005 lux @(F1.2, AGC ON), 0 lux with IR
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8-12 mm Motorized Lens
Lens Mount	φ14
Iris	F 1.6
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	2048 × 1536
Frame rate	50Hz : 25fps (2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz : 30fps (2048 × 1536, 1920 × 1080, 1280 × 720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95%
Power Supply	12 VDC ± 25%, PoE(802.3af) , PoE, 12.5W
IR Range	Up to 50 m
Protection Level	IP 67
Dimensions	Φ144.13×332.73 mm (Φ5.67"× 13.10")
Weight	1893 g (4.17 lb.)

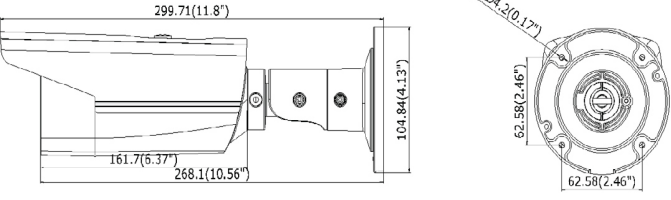
VNC-5326



Key Features

- 1/2.8" progressive scan CMOS
- 2048 × 1536 @30fps frame rate
- 2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 50m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Technical Specifications

Model No	VNC-5326
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.005 lux @(F1.2, AGC ON), 0 lux with IR
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
Lens Mount	M 12
Iris	F 1.6
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	2048 × 1536
Frame rate	50Hz : 25fps (2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz : 30fps (2048 × 1536, 1920 × 1080, 1280 × 720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95%
Power Supply	12 VDC ± 25%, PoE(802.3af) , PoE, 12.5W
IR Range	Up to 50 m
Protection Level	IP 67
Dimensions	Φ104.8 × 299.7 mm (Φ4.13" × 11.8")
Weight	1200 g (2.65 lb.)

3MP Ultra-Low Light Network Bullet Camera

VNC-5325

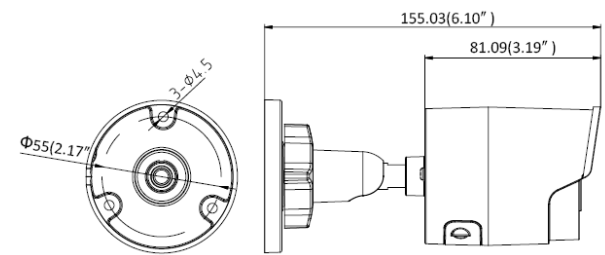
Technical Specifications



Key Features

- 1/2.8" progressive scan CMOS
- 2048 x 1536 @ 30fps frame rate
- 2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 30m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Model No	VNC-5325
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.005 lux @(F1.2, AGC ON), 0 lux with IR
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
Lens Mount	M 12
Iris	F 1.6
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	2048 x 1536
Frame rate	50Hz: 25fps (2048 x 1536, 1920 x 1080, 1280x720) 60Hz: 30fps (2048 x 1536, 1920 x 1080, 1280x720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F) Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, 5.5W, PoE(802.3af, class 3), 7W
IR Range	Up to 30 m
Protection Level	IP 67
Dimensions	Φ70 × 155.03 mm (Φ2.76" × 6.1")
Weight	410 g (0.9 lb.)

3 MP Motorized Ultra-Low Light Network Turret Camera

VNC-5375

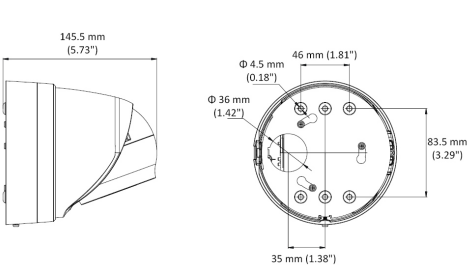
Technical Specifications



Key Features

- 1/2.8" progressive scan CMOS
- 2048 x 1536 @30fps frame rate
- 2.8-12 mm Motorized Lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 30m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Model No	VNC-5375
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.005 lux @(F1.2, AGC ON), 0 lux
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8-12 mm Motorized Lens
Iris	F 1.4
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	2048 x 1536
Frame rate	50Hz : 25fps (2048 x 1536, 1920 x 1080, 1280 x 720) 60Hz : 30fps (2048 x 1536, 1920 x 1080, 1280 x 720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Audio	1 input (line in, 3.5 mm),1 output(3.5 mm),single track
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95%
Power Supply	12 VDC ± 25%, PoE (802.3af), PoE , max. 11W
IR Range	Up to 30 m
Protection Level	IP 67
Dimensions	Φ 135.8 mm × 145.5 mm (Φ 5.35" × 5.73")
Weight	1060 g (2.34 lb.)

3 MP Ultra-Low Light Network Turret Camera

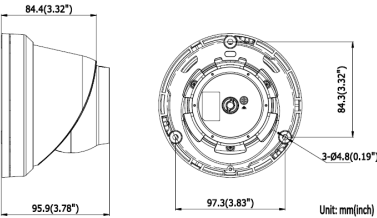
VNC-5365



Key Features

- 1/2.8" progressive scan CMOS
- 2048 × 1536 @30fps frame rate
- 2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 30m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Technical Specifications

Model No	VNC-5365
Image Sensor	1/2.8" progressive scan CMOS
Min. Illumination	Color: 0.005 lux @(F1.2, AGC ON), 0 lux with IR
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
Lens Mount	M 12
Iris	F 2.0
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	2048 × 1536
Frame rate	50Hz : 25fps (2048 × 1536, 1920 × 1080, 1280 × 720) 60Hz : 30fps (2048 × 1536, 1920 × 1080, 1280 × 720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95%
Power Supply	12 VDC ± 25%, 6W , PoE(802.3af), 7W
IR Range	Up to 30 m
Protection Level	IP 67
Dimensions	Φ 127.3 × 95.9 mm (5.01" × 3.78")
Weight	620 g (1.37 lb.)

2 MP Motorized Ultra-Low Light Network Bullet Camera

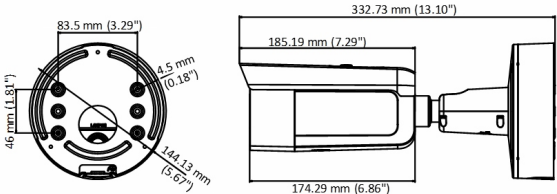
VNC-5235



Key Features

- 1/2.8" progressive scan CMOS
- 1920 × 1080 @30fps frame rate
- 2.8-12 mm Motorized Lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 50m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Technical Specifications

Model No	VNC-5235
Image Sensor	1/2.9" progressive scan CMOS
Min. Illumination	Color: 0.005 lux @(F1.2, AGC ON), 0 lux with IR
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8-12 mm Motorized Lens
Lens Mount	φ14
Iris	F 1.6
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	1920 × 1080
Frame rate	50Hz : 25fps (1920 × 1080, 1280 × 960, 1280×720) 60Hz : 30fps (1920 × 1080, 1280 × 960, 1280×720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95%
Power Supply	12 VDC ± 25%, PoE(802.3af) , PoE, 12.5W
IR Range	Up to 50 m
Protection Level	IP 67
Dimensions	Φ144.13×332.73 mm (Φ5.67"× 13.10")
Weight	1893 g (4.17 lb.)

2 MP Ultra-Low Light Network Bullet Camera

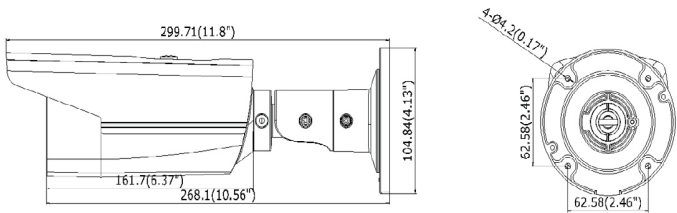
VNC-5226



Key Features

- 1/2.8” progressive scan CMOS
- 1920 × 1080 @30fps frame rate
- 2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 50m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Technical Specifications

Model No	VNC-5226
Image Sensor	1/2.8” progressive scan CMOS
Min. Illumination	Color: 0.005 lux @(F1.2, AGC ON), 0 lux with IR
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
Lens Mount	M 12
Iris	F 1.6
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	1920 × 1080
Frame rate	50Hz : 25fps (1920 × 1080, 1280 × 960, 1280×720) 60Hz : 30fps (1920 × 1080, 1280 × 960, 1280×720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95%
Power Supply	12 VDC ± 25%, PoE(802.3af) , PoE, 12.5W
IR Range	Up to 50 m
Protection Level	IP 67
Dimensions	Φ104.8 × 299.7 mm (Φ4.13” × 11.8”)
Weight	1200 g (2.65 lb.)

2MP Ultra-Low Light Network Bullet Camera

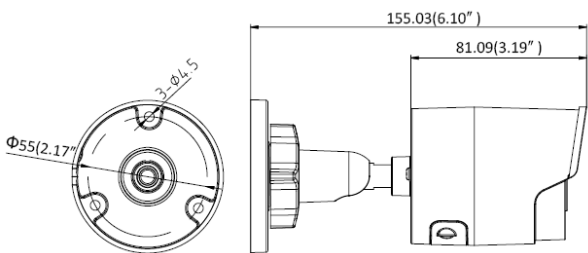
VNC-5225



Key Features

- 1/2.8” progressive scan CMOS
- 1920 × 1080 @ 30fps frame rate
- 2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 30m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Technical Specifications

Model No	VNC-5225
Image Sensor	1/2.8” progressive scan CMOS
Min. Illumination	Color: 0.005 lux @(F1.2, AGC ON), 0 lux with IR
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
Lens Mount	M 12
Iris	F 1.6
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	1920 × 1080
Frame rate	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280×720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280×720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F) Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, 5W , PoE(802.3af, class 3), 6.5W
IR Range	Up to 30 m
Protection Level	IP 67
Dimensions	Φ70 × 155.03 mm (Φ2.76” × 6.1”)
Weight	410 g (0.9 lb.)

2 MP Motorized Ultra-Low Light Network Turret Camera

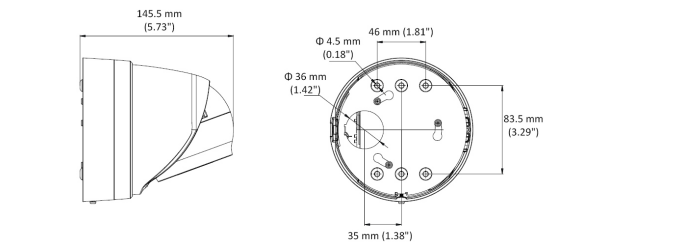
VNC-5275



Key Features

- 1/2.8” progressive scan CMOS
- 1920 × 1080 @30fps frame rate
- 2.8-12 mm Motorized Lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 30m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Technical Specifications

Model No	VNC-5275
Image Sensor	1/2.8” progressive scan CMOS
Min. Illumination	Color: 0.005 lux @(F1.2, AGC ON), 0 lux
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8-12 mm Motorized Lens
Iris	F 1.4
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	1920 × 1080
Frame rate	50Hz : 25fps (1920 × 1080, 1280 × 960, 1280×720) 60Hz : 30fps (1920 × 1080, 1280 × 960, 1280×720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Audio	1 input (line in, 3.5 mm),1 output(3.5 mm),single track
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95%
Power Supply	12 VDC ± 25%, PoE (802.3af), PoE , max. 11W
IR Range	Up to 30 m
Protection Level	IP 67
Dimensions	Φ 135.8 mm × 145.5 mm (Φ 5.35" × 5.73")
Weight	1060 g (2.34 lb.)

2 MP Ultra-Low Light Network Turret Camera

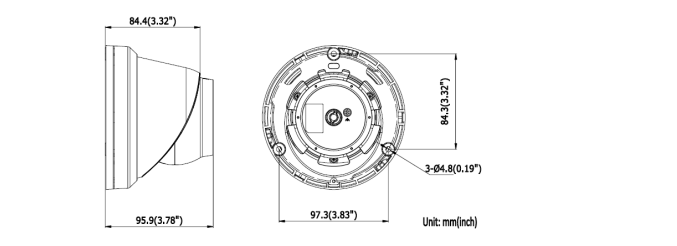
VNC-5265



Key Features

- 1/2.8” progressive scan CMOS
- 1920 × 1080 @30fps frame rate
- 2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
- True WDR, up to 120dB
- H.265+, H.265, H.264+, H.264 Compression
- EXIR technology, up to 30m IR distance
- Support Full Smart Function
- 3D DNR, ROI, EIS, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Technical Specifications

Model No	VNC-5265
Image Sensor	1/2.8” progressive scan CMOS
Min. Illumination	Color: 0.005 lux @(F1.2, AGC ON), 0 lux with IR
Shutter Time	1/3 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8mm, 4mm, 6mm, 8mm, 12mm, Fixed lens
Lens Mount	M 12
Iris	F 1.6
Day & Night	IR cut filter
Digital Noise Reduction	3D DNR
Wide Dynamic Range	120dB WDR
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.265+	Support
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	1920 × 1080
Frame rate	50Hz : 25fps (1920 × 1080, 1280 × 960, 1280×720) 60Hz : 30fps (1920 × 1080, 1280 × 960, 1280×720)
Image Enhancement	Defog, BLC, EIS, ROI
Image settings	Support rotate mode. Brightness,contrast,saturation and sharpness are adjustable via web browser
Network Storage	Support microSD/SDHC/SDXC card (128G) local storage, NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion Detection, Tampering Alarm, Network Disconnected, IP Address Conflict, HDD full, error
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6
Standard	ONVIF (PROFILE S, PROFILE G), PSIA, CGI, ISAPI
General Function	One-key Reset, Anti-Flicker, Heartbeat, Mirror Password Protection, Privacy Mask, Watermark
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Operating Conditions	-30 °C to +60 °C (-22 °F to +140 °F), Humidity 95%
Power Supply	12 VDC ± 25%, 6W , PoE(802.3af) , 7W
IR Range	Up to 30 m
Protection Level	IP 67
Dimensions	Φ 127.3 × 95.9 mm (5.01" × 3.78")
Weight	620 g (1.37 lb.)

5MP Vari-Focal Bullet Network Camera

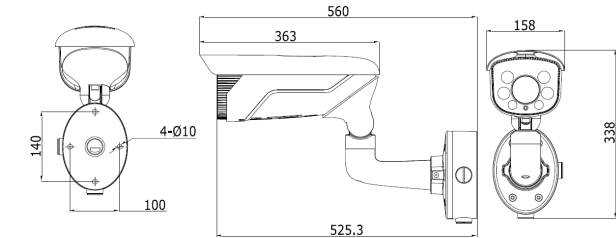
VNC-4533



Key Features

- 1/3" progressive scan CMOS
- 2560 x 1920 @ 20fps frame rate
- 2.8-12mm vari-focal lens
- H.264+ / H.264 / MJPEG Compression
- Up to 120m IR distance
- Support Line crossing and intrusion detection
- 3D DNR, ROI, Electronic shutter, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP66 weatherproof

Dimension



Technical Specifications

Model No	VNC-4533
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0.01Lux @ (F1.2, AGC ON), 0 Lux with IR 0.014Lux @ (F1.4, AGC ON),0 Lux with IR
Shutter Time	1/3s to 1/10,000 s
Lens	2.8-12mm @ F1.4
Lens Mount	Φ14
Day & Night	IR Cut Filter with auto switch
Digital Noise Reduction	3D DNR
Wide Dynamic Range	DWDR
Video Compression	H.264+/H.264/MJPEG
H.264 Type	Main Profile
Video Bit Rate	256 Kbps ~ 16 Mbps
Max. resolution	2560 x 1920
Frame rate	50Hz: 20fps (2560×1920),25fps(2048×1536) 25fps(1920×1080),25fps(1280×720) 60Hz: 20fps (2560×1920), 30fps(2048×1536),30fps (1920×1080) 30fps(1280×720)
Others	Saturation, Brightness, Contrast adjustable by client software or web browser, Mirror, BLC, ROI, Dual Stream, Anti-Flicker,Privacy Mask,
Network storage	NAS (Support NFS,SMB/CIFS), ANR
Alarm trigger	Motion Detection, Tampering Alarm, Intrusion Detection, Line Crossing Detection, HDD Full, HDD Error,Network Disconnected, IP Address Conflicted
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
General Function	Password Protection, IP Address Filtering Anonymous Access, Watermark
Communication Interface	1 RJ45 10M/100MEthernet port
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board Storage	Built-in Micro SD/SDHC/SDXC slot, up to 128GB
Operating Conditions	-30°C ~ +60°C , Humidity 95%
Power Supply	DC12V ± 10%, PoE (802.3af)
Power Consumption	Max. 5.5W
IR Range	Up to 120m
Protection Level	IP 66
Dimensions	95×105×258.6 mm (3.74" × 4.13" × 10.18")
Weight	1200g(2.6lbs)

5MP Vari-Focal Bullet Network Camera

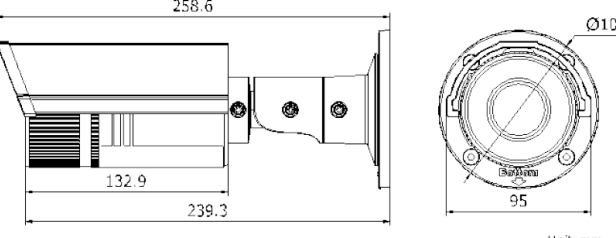
VNC-4530



Key Features

- 1/3" progressive scan CMOS
- 2560 x 1920 @ 20fps frame rate
- 2.8-12mm vari-focal lens
- H.264+ / H.264 / MJPEG Compression
- Up to 30m IR distance
- Support Line crossing and intrusion detection
- 3D DNR, ROI, Electronic shutter, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP66 weatherproof

Dimension



Technical Specifications

Model No	VNC-4530
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0.01Lux @ (F1.2, AGC ON), 0 Lux with IR 0.014Lux @ (F1.4, AGC ON),0 Lux with IR
Shutter Time	1/3s to 1/10,000 s
Lens	2.8-12mm @ F1.4
Lens Mount	Φ14
Day & Night	IR Cut Filter with auto switch
Digital Noise Reduction	3D DNR
Wide Dynamic Range	DWDR
Video Compression	H.264+/H.264/MJPEG
H.264 Type	Main Profile
Video Bit Rate	256 Kbps ~ 16 Mbps
Max. resolution	2560 x 1920
Frame rate	50Hz: 20fps (2560×1920),25fps(2048×1536) 25fps(1920×1080),25fps(1280×720) 60Hz: 20fps (2560×1920), 30fps(2048×1536),30fps (1920×1080) 30fps(1280×720)
Others	Saturation, Brightness, Contrast adjustable by client software or web browser, Mirror, BLC, ROI, Dual Stream, Anti-Flicker,Privacy Mask,
Network storage	NAS (Support NFS,SMB/CIFS), ANR
Alarm trigger	Motion Detection, Tampering Alarm, Intrusion Detection, Line Crossing Detection, HDD Full, HDD Error,Network Disconnected, IP Address Conflicted
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
General Function	Password Protection, IP Address Filtering Anonymous Access, Watermark
Communication Interface	1 RJ45 10M/100MEthernet port
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board Storage	Built-in Micro SD/SDHC/SDXC slot, up to 128GB
Operating Conditions	-30°C ~ +60°C , Humidity 95%
Power Supply	DC12V ± 10%, PoE (802.3af)
Power Consumption	Max. 5.5W
IR Range	Up to 30m
Protection Level	IP 66
Dimensions	95×105×258.6 mm (3.74" × 4.13" × 10.18")
Weight	1200g(2.6lbs)

5MP EXIR Bullet Network Camera

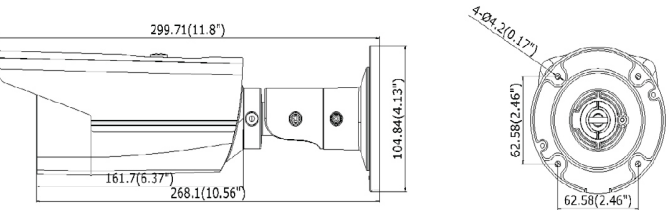
VNC-4522



Key Features

- 1/3" progressive scan CMOS
- 2560 x 1920 @ 20fps frame rate
- 4mm, 6mm, 12mm fixed lens
- H.264+ / H.264 / MJPEG Compression
- EXIR technology, up to 50m IR distance
- Support Line crossing and intrusion detection
- 3D DNR, ROI, Electronic shutter, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimension



Technical Specifications

Model No	VNC-4522
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0.01Lux @ (F1.2, AGC ON), 0 Lux with IR 0.014Lux @ (F1.4, AGC ON),0 Lux with IR
Shutter Time	1/3s to 1/10,000 s
Lens	4mm, 6mm, 12mm @ F1.4 optional
Lens Mount	M 12
Day & Night	IR Cut Filter with auto switch
Digital Noise Reduction	3D DNR
Wide Dynamic Range	DWDR
Video Compression	H.264+/H.264/MJPEG
H.264 Type	Main Profile
Video Bit Rate	256 Kbps ~ 16 Mbps
Max. resolution	2560 x 1920
Frame rate	50Hz: 20fps (2560×1920),25fps(2048x1536) 25fps(1920×1080),25fps(1280×720) 60Hz: 20fps (2560×1920), 30fps(2048x1536),30fps (1920×1080) 30fps(1280×720)
Image Settings	Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser
Backlight compensation	Yes, zone optional
ROI	Support
Network storage	NAS (Support NFS,SMB/CIFS)
Alarm trigger	Intrusion Detection, Line Crossing, Motion detection Dynamic analysis, Tampering alarm Network disconnect , IP address conflict, Storage exception
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6, Bonjour
Security	Flash-prevention, dual stream, heartbeat, mirror password protection, privacy mask, watermark IP address filtering, Anonymous access
Standard	ONVIF, PSIA, CGI, ISAPI
Communication Interface	1 RJ45 10M/100M Ethernet interface
Operating Conditions	-30°C ~ +60°C , Humidity 95%
Power Supply	DC12V ± 10%, PoE (802.3af)
Power Consumption	Max. 7.5W
Ingress Protection level	IP 67
IR Range	Up to 50m
Dimensions	299.71 × 86.48 × 85.11(11.8" × 3.4" × 3.35")
Weight	1200g(2.6lbs)

5MP Vari-Focal Dome Network Camera

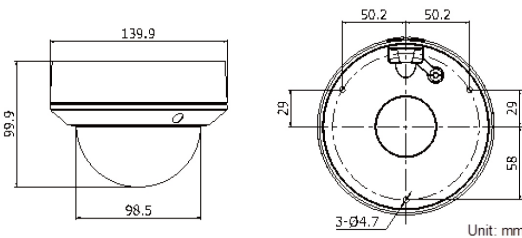
VNC-4570



Key Features

- 1/3" progressive scan CMOS
- 2560 x 1920 @ 20fps frame rate
- 2.8-12mm vari-focal lens
- H.264+ / H.264 / MJPEG Compression
- Up to 30m IR distance
- Support Line crossing and intrusion detection
- 3D DNR, ROI, Electronic shutter, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP66 weatherproof

Dimension



Technical Specifications

Model No	VNC-4570
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0.01Lux @ (F1.2, AGC ON), 0 Lux with IR 0.014Lux @ (F1.4, AGC ON),0 Lux with IR
Shutter Time	1/3s to 1/10,000 s
Lens	2.8-12mm @ F1.4, -Z: motorized lens
Lens Mount	Φ14
Day & Night	IR Cut Filter with auto switch
Digital Noise Reduction	3D DNR
Wide Dynamic Range	DWDR
Angle Adjustment	Pan:0° -355°, Tilt: 0° -75°, Rotation: 0° -355°
Video Compression	H.264+/H.264/MJPEG
H.264 Type	Main Profile
Video Bit Rate	256 Kbps ~ 16 Mbps
Max. resolution	2560 x 1920
Frame rate	50Hz: 20fps (2560×1920),25fps(2048x1536) 25fps(1920×1080),25fps(1280×720) 60Hz: 20fps (2560×1920), 30fps(2048x1536),30fps (1920×1080) 30fps(1280×720)
Others	Saturation, Brightness, Contrast adjustable by client software or web browser, Mirror, BLC, ROI, Dual Stream, Anti-Flicker,Privacy Mask,
Network storage	NAS (Support NFS,SMB/CIFS), ANR
Alarm trigger	Motion Detection, Tampering Alarm, Intrusion Detection, Line Crossing Detection, HDD Full, HDD Error,Network Disconnected, IP Address Conflicted
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, IPv6, Bonjour
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
General Function	Password Protection, IP Address Filtering Anonymous Access, Watermark
Communication Interface	1 RJ45 10M/100MEthernet port
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board Storage	Built-in Micro SD/SDHC/SDXC slot, up to 128GB
Operating Conditions	-30°C ~ +60°C , Humidity 95%
Power Supply	DC12V ± 10%, PoE (802.3af)
Power Consumption	Max. 5.5W
IR Range	Up to 30m
Protection Level	IP 66
Dimensions	95×105×258.6 mm (3.74" × 4.13" × 10.18")
Weight	1200g(2.6lbs)

4MP WDR Vari-focal Bullet Network Camera

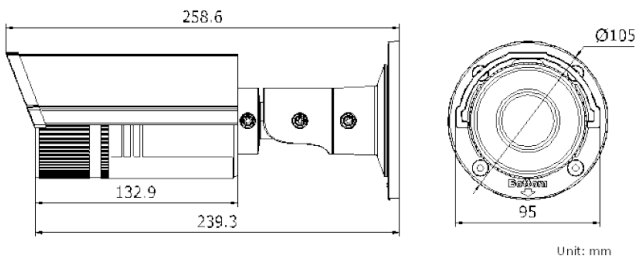
VNC-4430 Technical Specifications



Key Features

- 1/3” progressive scan CMOS
- 2688 x 1520 @ 20fps frame rate
- 2.8-12mm vari focal lens
- True WDR, up to 120dB
- H.264+ / H.264 / MJPEG Compression
- Up to 30m IR distance
- Support Line crossing and intrusion detection
- 3D DNR, ROI, Electronic shutter, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP66 weatherproof

Dimensions



Model No	VNC-4430
Image Sensor	1/3” progressive scan CMOS
Min. Illumination	0.01Lux @(F1.2,AGC ON), 0.014 Lux @(F1.4,AGC ON), 0 Lux with IR
Shutter Time	1/3 s ~ 1/10,000s
Slow Shutter	Support
Lens	2.8 -12 mm @ F1.4
Lens Mount	Φ14
Day & Night	IR cut filter with auto switch
Wide Dynamic Range	120dB
Video Compression	H.264+/H.264/MJPEG
H.264 Type	Main Profile
Video bit rate	32 Kbps ~ 16 Mbps
Audio	G.711/G.722.1/G.726/MP2L2 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726)
Max. resolution	2688 x 1520
Frame rate	50Hz: 20fps (2688×1520), 25fps(1920×1080), 25fps(1280×720) / 60Hz: 20fps (2688×1520) 30fps (1920×1080), 30fps(1280×720)
Image Enhancement	BLC / 3D DNR / ROI
Image Setting	Rotate Mode, Saturation, Brightness, Contrast Sharpness adjustable by client software
Day & Night Switch	Auto/Schedule/Triggered by Alarm In
Network storage	NAS (Support NFS,SMB/CIFS); ANR, Built-in Micro SD/SDHC/SDXC card slot, up to 128GB
Alarm trigger	Intrusion detection,Line crossing, Motion detection Dynamic analysis,Tampering alarm Network disconnect,IP address conflict,Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS,FTP,DHCP,DNS DDNS, RTP, RTSP, RTCP,PPPoE, NTP, UPnP, SMTP SNMP, IGMP, 802.IX, QoS, IPv6, Bonjour
Security	One-key reset, flash-prevention, dual stream heartbeat,mirror,password protection,privacy mask watermark, IP address filtering, anonymous access
Standard	ONVIF (PROFILE S,PROFILE G) ,PSIA,CGI,ISAPI
Interface	1 RJ45 10M/100M Ethernet interface
Operating conditions	-30°C ~ +60°C , Humidity 95%
Power supply	12V DC±10%, PoE (802.3af)
Power consumption	Max. 5.5W (Max. 7.5W with IR cut filter on)
Ingress protection	IP 66
IR range	Up to 30m
Dimensions	95×105×258.6 mm (3.74" × 4.13" × 10.18")
Weight	1200g (2.65lbs)

4MP EXIR Bullet Network Camera

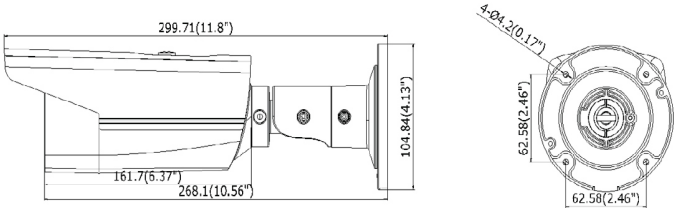
VNC-4423 Technical Specifications



Key Features

- 1/3” progressive scan CMOS
- 2688 x 1520 @ 20fps frame rate
- 4mm, 6mm, 12mm fixed lens
- True WDR, up to 120dB
- H.264+ / H.264 / MJPEG Compression
- EXIR technology, up to 50m IR distance
- Support Line crossing and intrusion detection
- 3D DNR, ROI, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP67 weatherproof

Dimensions



Model No	VNC-4423
Image Sensor	1/3” progressive scan CMOS
Min. Illumination	0.01Lux @(F1.2,AGC ON), 0.028Lux @(F2.0,AGC ON), 0 Lux with IR
Shutter Speed	1/3 s ~ 1/10,000 s
Slow Shutter	Support
Lens	4mm, 6mm, 12mm @ F2.0 optional
Angle of view	83°(4mm), 55.4°(6mm), 24.7°(12mm),19.1°(16mm)
Lens Mount	M 12
Day & Night	IR cut filter with auto switch
Wide Dynamic Range	120dB
Video Compression	H.264+/H.264/MJPEG
H.264 Type	Main Profile
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	2688 x 1520
Frame rate	50Hz:Main stream:20fps(2688×1520),25fps (1920×1080), 25fps(1280×720), Sub stream:25fps (352×288),25fps(640×360) / 60Hz: Main stream : 20fps(2688×1520),30fps(1920×1080),30fps (1280×720),Sub stream: 30fps(352×240)
Image Enhancement	BLC / 3D DNR / ROI
Image Setting	Rotate Mode, Saturation, Brightness, Contrast Sharpness adjustable by client software
Day & Night Switch	Auto/Schedule/Triggered by Alarm In
Network storage	NAS (Support NFS,SMB/CIFS)
Detection	Intrusion detection,Line crossing detection, Motion detectionDynamic analysis
Alarm trigger	Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS,FTP,DHCP,DNS DDNS, RTP, RTSP, RTCP,PPPoE, NTP, UPnP, SMTP SNMP, IGMP, 802.IX, QoS, IPv6, Bonjour
Security	Anti-Flicker,heartbeat, mirror, password protection privacy mask, watermark, IP address filtering Anonymous access
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Interface	1 RJ45 10M/100M Ethernet interface
Operating conditions	-30°C ~ +60°C , Humidity 95%
Power supply	12V DC±10%, PoE (802.3af)
Power consumption	Max. 7.5W
Ingress protection	IP 67
IR range	Up to 50m
Dimensions	299.71 × 86.48 × 85.11(11.8" × 3.4" × 3.35")
Weight	1200g (2.65lbs)

4MP WDR Mini Bullet Network Camera

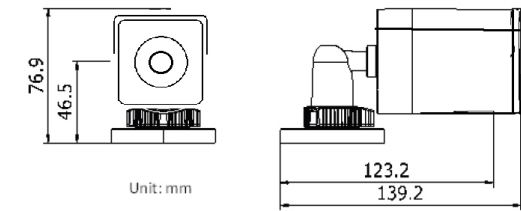
VNC-4420



Key Features

- 1/3” progressive scan CMOS
- 2688 x 1520 @ 20fps frame rate
- 4mm, 6mm fixed lens
- True WDR, up to 120dB
- H.264+ / H.264 / MJPEG Compression
- Up to 30m IR distance
- Support Line crossing and intrusion detection
- 3D DNR, ROI, Defog
- PoE, ONVIF
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP66 weatherproof

Dimensions



Technical Specifications

Model No	VNC-4420
Image Sensor	1/3” progressive scan CMOS
Min. Illumination	0.01Lux @(F1.2, AGC ON),0 Lux with IR
Shutter Speed	1/3 s ~ 1/10,000 s
Lens	4mm, 6mm @ F2.0
Angle of view	83°(4mm) , 55.4°(6mm)
Lens Mount	M 12
Day & Night	IR cut filter with auto switch
Wide Dynamic Range	120dB
Video Compression	H.264+/H.264/MJPEG
H.264 Type	Main Profile
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	2688 x 1520
Frame rate	50Hz:Main stream:20fps(2688×1520),25fps(1920×1080), 25fps(1280×720), Sub stream:25fps(352×288),25fps(640×360) / 60Hz: Main stream : 20fps(2688×1520),30fps(1920×1080),30fps(1280×720),Sub stream: 30fps(352×240)
Image Enhancement	BLC / 3D DNR / ROI
Image Setting	Rotate Mode, Saturation, Brightness, Contrast Sharpness adjustable by client software
Network storage	NAS (Support NFS,SMB/CIFS), ANR
Detection	Intrusion detection,Line crossing detection, Motion detection, Dynamic analysis
Alarm trigger	Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS,FTP,DHCP,DNS DDNS, RTP, RTSP, RTCP,PPPoE, NTP, UPnP, SMTP SNMP, IGMP, 802.IX, QoS, IPv6, Bonjour
General Function	One-key reset,Anti-flicker, heartbeat, mirror, password protection, privacy mask, watermark, IP address filtering, Anonymous access
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Interface	1 RJ45 10M/100M Ethernet interface
Operating conditions	-30°C ~ +60°C , Humidity 95%
Power supply	DC12V ± 25%, PoE (802.3af Class3)
Power consumption	Max. 5W
Material	Front Cover & Back Cover & Bracket : Metal
Ingress protection	IP 66
IR range	30 Meters
Dimensions	70×154.2×60.5mm (2.8" × 6.2" × 2.4")
Weight	500g (1.1 lbs)

4MP WDR Vari-focal Dome Network Camera

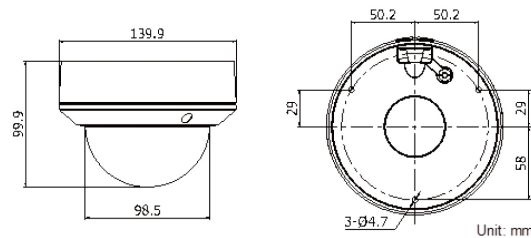
VNC-4470



Key Features

- 1/3” progressive scan CMOS
- 2688 x 1520 @ 20fps frame rate
- 2.8-12mm vari focal lens
- True WDR, up to 120dB
- H.264+ / H.264 / MJPEG Compression
- Up to 30m IR distance
- Support Line crossing and intrusion detection
- 3D DNR, ROI, Electronic shutter, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP66 weatherproof

Dimensions



Technical Specifications

Model No	VNC-4470
Image Sensor	1/3” progressive scan CMOS
Min. Illumination	0.01Lux @(F1.2,AGC ON), 0.014 Lux @(F1.4,AGC ON), 0 Lux with IR
Shutter Time	1/3 s ~ 1/10,000s
Slow Shutter	Support
Lens	2.8 - 12 mm @ F1.4 angle of view: 112°~33.8°
Angle Adjustment	Pan:0° - 355°, Tilt: 0° - 75°, Rotation: 0° - 355°
Lens Mount	Φ14
Day & Night	IR cut filter with auto switch
Wide Dynamic Range	120dB
Video Compression	H.264+/H.264/MJPEG
H.264 Type	Main Profile
Video bit rate	32 Kbps ~ 16 Mbps
Audio	G.711/G.722.1/G.726/MP2L2 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726)
Max. resolution	2688 x 1520
Frame rate	50Hz: 20fps (2688×1520), 25fps(1920×1080), 25fps(1280×720) / 60Hz: 20fps (2688×1520) 30fps(1920×1080), 30fps(1280×720)
Image Enhancement	BLC / 3D DNR / ROI
Image Setting	Rotate Mode, Saturation, Brightness, Contrast Sharpness adjustable by client software
Day & Night Switch	Auto/Schedule/Triggered by Alarm In
Network storage	NAS (Support NFS,SMB/CIFS); ANR, Built-in Micro SD/SDHC/SDXC card slot, up to 128GB
Alarm trigger	Intrusion detection,Line crossing, Motion detection Dynamic analysis,Tampering alarm Network disconnect,IP address conflict,Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS,FTP,DHCP,DNS DDNS, RTP, RTSP, RTCP,PPPoE, NTP, UPnP, SMTP SNMP, IGMP, 802.IX, QoS, IPv6, Bonjour
Security	One-key reset, flash-prevention, dual stream heartbeat,mirror,password protection,privacy mask watermark, IP address filtering, anonymous access
Standard	ONVIF (PROFILE S,PROFILE G) ,PSIA,CGI,ISAPI
Interface	1 RJ45 10M/100M Ethernet interface
Operating conditions	-30°C ~ +60°C , Humidity 95%
Power supply	12V DC±10%, PoE (802.3af)
Matreial	Front Cover & Base: Metal
Ingress Impact protection	IP 66 / IEC60068-275Eh, 20J; EN50102, up to IK10
IR range	30 Meters
Dimensions	Φ 140 × 99.9 mm (Φ 5.51" × 3.94")
Weight	1000g (2.65lbs)

4MP EXIR Eyeball Network Camera

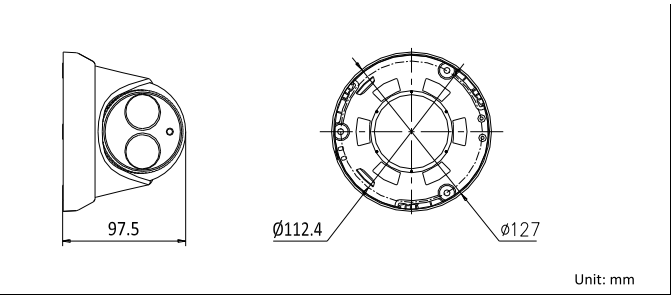
VNC-4462



Key Features

- 1/3" progressive scan CMOS
- 2688 x 1520 @ 20fps frame rate
- 2.8mm, 4mm, 6mm fixed lens
- True WDR, up to 120dB
- H.264+ / H.264 / MJPEG Compression
- EXIR technology, up to 30m IR distance
- Support Line crossing and intrusion detection
- 3D DNR, ROI, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP66 weatherproof

Dimensions



Technical Specifications

Model No	VNC-4462
Image Sensor	1/3" progressive scan CMOS
Min. Illumination	0.01Lux @ (F1.2, AGC ON),0 Lux with IR
Shutter Speed	1/3 s ~ 1/10,000 s
Lens	2.8mm, 4mm, 6mm @ F2.0
Angle of view	106°(2.8mm), 83°(4mm), 55.4°(6mm)
Lens Mount	M 12
Day & Night	IR cut filter with auto switch
Wide Dynamic Range	120dB
Angle Adjustment	Pan:0° ~360°, Tilt: 0° ~75°, Rotation: 0° ~360°
Video Compression	H.264+/H.264/MJPEG
H.264 Type	Main Profile
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	2688 x 1520
Frame rate	50Hz:Main stream:20fps(2688×1520),25fps (1920×1080), 25fps(1280×720), Sub stream:25fps (352×288),25fps(640×360) / 60Hz: Main stream : 20fps(2688×1520),30fps(1920×1080),30fps (1280×720),Sub stream: 30fps(352×240)
Image Enhancement	BLC / 3D DNR / ROI
Image Setting	Rotate Mode, Saturation, Brightness, Contrast Sharpness adjustable by client software
Network storage	NAS (Support NFS,SMB/CIFS), ANR
Detection	Intrusion detection,Line crossing detection, Motion detection, Dynamic analysis
Alarm trigger	Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS,FTP,DHCP,DNS DDNS, RTP, RTSP, RTCP,PPPoE, NTP, UPnP, SMTP SNMP, IGMP, 802.IX, QoS, IPv6, Bonjour
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Interface	1 RJ45 10M/100M Ethernet interface
Operating conditions	-30°C ~ +60°C , Humidity 95%
Power supply	DC12V ± 25%, PoE (802.3afClass3)
Power consumption	Max. 5.5W(Max. 7.5W with ICR on)
Material	Housing : Plastic; Body & Dome Cover: Metal
Ingress protection	IP 66
IR range	30 Meters
Dimensions	299.71 × 86.48 × 85.11(11.8" × 3.4" × 3.35")
Weight	670g (1.5 lbs)

4MP WDR Dome Network Camera

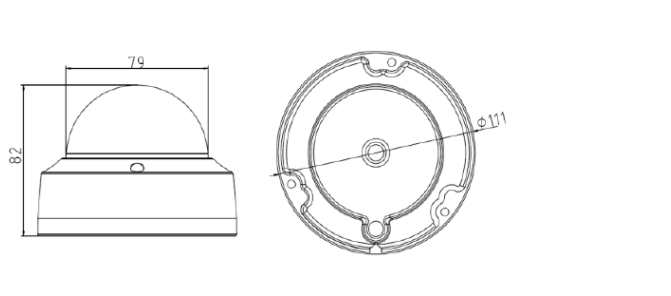
VNC-4461



Key Features

- 1/3" progressive scan CMOS
- 2688 x 1520 @ 20fps frame rate
- 2.8mm, 4mm, 6mm fixed lens
- True WDR, up to 120dB
- H.264+ / H.264 / MJPEG Compression
- Up to 30m IR distance
- Support Line crossing and intrusion detection
- 3D DNR, ROI, Defog
- PoE, ONVIF, SD Card
- S Sereis : Audio I/O, Alarm I/O (Optional)
- IP66 weatherproof

Dimensions



Technical Specifications

Model No	VNC-4461
Image Sensor	1/3" progressive scan CMOS
Min. Illumination	0.01Lux @ (F1.2, AGC ON),0 Lux with IR
Shutter Time	1/3 s ~ 1/10,000s
Lens	2.8mm, 4mm, 6mm @ F2.0,
Angle of view	106°(2.8mm), 83°(4mm), 55.4°(6mm)
Lens Mount	M 12
Day & Night	IR cut filter with auto switch
Wide Dynamic Range	120 dB
P & T rotation	Pan:0° ~355°, Tilt: 0° ~75°, Rotation: 0° ~355°
Video Compression	H.264+/H.264/MJPEG
H.264 Type	Main Profile
Video bit rate	32 Kbps ~ 16 Mbps
Max. resolution	2688 x 1520
Frame rate	50Hz:Main stream:20fps(2688×1520),25fps (1920×1080), 25fps(1280×720), Sub stream:25fps (352×288),25fps(640×360) / 60Hz: Main stream : 20fps(2688×1520),30fps(1920×1080),30fps (1280×720),Sub stream: 30fps(352×240)
Image Enhancement	BLC / 3D DNR / ROI
Image Setting	Rotate Mode, Saturation, Brightness, Contrast Sharpness adjustable by client software
Network storage	NAS (Support NFS,SMB/CIFS); ANR
Detection	Intrusion detection, Line crossing detection,Motion detection, Dynamic analysis
Alarm trigger	Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS,FTP,DHCP,DNS DDNS, RTP, RTSP, RTCP,PPPoE, NTP, UPnP, SMTP SNMP, IGMP, 802.IX, QoS, IPv6, Bonjour
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Communication Interface	1 RJ45 10M/100M Ethernet interface
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128GB
Operating conditions	-30°C ~ +60°C , Humidity 95%
Power supply	DC12V ± 25%, PoE (802.3afClass3)
Power Consumption	Max. 5W
Material	Top Cover: Plastic ; Base: Metal
IR range	Approx. 30 meters
Ingress Protection	IP 66
Impact Protection	IK 10
Dimensions	Φ111 × 82 (4.4" × 3.2")
Weight	500g (1.1 lbs)

NETWORK CAMERA / PROFESSIONAL SERIES

4MP WDR Mini Dome Network Camera

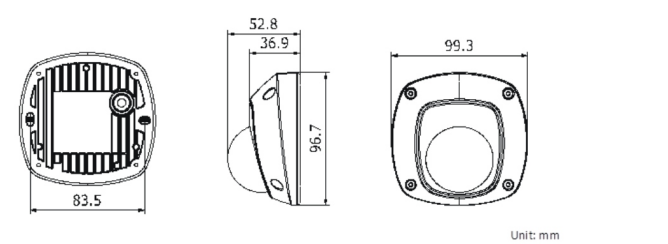
VNC-4460 Technical Specifications



Key Features

- 1/3” progressive scan CMOS
- 2688 x 1520 @ 20fps frame rate
- 4mm, 6mm, 12mm fixed lens
- True WDR, up to 120dB
- H.264+ / H.264 / MJPEG Compression
- Up to 10m IR distance
- Support Line crossing and intrusion detection
- 3D DNR, ROI, Defog
- PoE, ONVIF, SD Card
- 5 Sereis : Audio I/O, Alarm I/O (Optional)
- IP66 weatherproof

Dimensions



Model No	VNC-4460
Image Sensor	1/3” progressive scan CMOS
Min. Illumination	0.01Lux (@ F1.2, AGC ON),0 Lux with IR
Shutter Time	1/3 s ~ 1/10,000s
Lens	2.8mm, 4mm, 6mm @ F2.0,
Angle of view	106°(2.8mm), 83°(4mm), 55.4°(6mm)
Lens Mount	M 12
Day & Night	IR cut filter with auto switch
Wide Dynamic Range	120 dB
Angle Adjustment	Pan: -30°~ 30°, Tilt:0~ 75°, Rotation: 0~ 360°
Video Compression	H.264+/H.264/MJPEG
H.264 Type	Main Profile
Video bit rate	32 Kbps ~ 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio Bit rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) 32-128Kbps(MP2L2)
Max. resolution	2688 x 1520
Frame rate	50Hz:Main stream:20fps(2688×1520),25fps (1920×1080), 25fps(1280×720), Sub stream:25fps (352×288),25fps(640×360) / 60Hz: Main stream : 20fps(2688×1520),30fps(1920×1080),30fps (1280×720),Sub stream: 30fps(352×240)
Image Enhancement	BLC / 3D DNR / ROI
Image Setting	Rotate Mode, Saturation, Brightness, Contrast Sharpness adjustable by client software
Day & Night Switch	Auto/Schedule/Triggered by Alarm In
Network storage	NAS (Support NFS,SMB/CIFS); ANR
Detection	Intrusion detection, Line crossing detection,Motion detection, Dynamic analysis
Alarm trigger	Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS,FTP,DHCP,DNS DDNS, RTP, RTSP, RTCP,PPPoE, NTP, UPnP, SMTP SNMP, IGMP, 802.IX, QoS, IPv6, Bonjour
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Communication Interface	1 RJ45 10M/100M Ethernet interface
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128GB
Operating conditions	-30°C ~ +60°C , Humidity 95%
Power supply	DC12V ± 25%, PoE (802.3afClass3)
Power Consumption	Max. 5W
Material	Top Cover: Plastic ; Base: Metal
IR range	Approx. 10 meters
Ingress Protection	IP 66
Dimensions	99.3×96.7×52.8 mm
Weight	600g (1.32 lbs)

NETWORK CAMERA / ECONOMY SERIES

2MP VF IR Bullet Network Camera

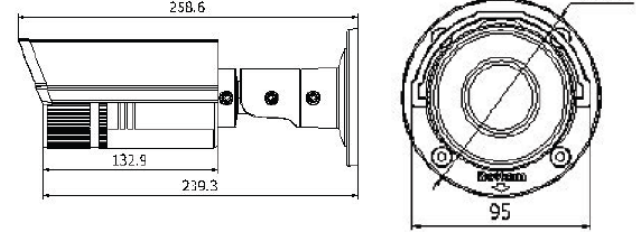
VNC-2230 Technical Specifications



Key Features

- 1/3” progressive scan CMOS
- 1920 x 1080 @ 25fps frame rate
- 2.8-12mm vari-focal lens
- H.264 / MJPEG Compression
- Up to 30m IR distance
- Support Line crossing and intrusion detection
- DWDR, 3D DNR, ROI, BLC, Defog
- PoE, ONVIF, SD Card
- 5 Sereis : Audio I/O, Alarm I/O (Optional)
- IP66 weatherproof

Dimensions



Model NO.	VNC-2230
Image Sensor	1/3” progressive scan CMOS
Min. Illumination	0.07 lux (@F1.2, AGC ON, 0 Lux with IR
Shutter Time	1/3s ~ 1/100,100s
Lens	2.8 ~ 12 mm, angle of view: 91.2°~28.3°
Lens Mount	Ø14
Day & Night	ICR
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Digital WDR
Video Compression	H.264 / MJPEG
H.264 codec profile	Main profile
Video bit rate	32 Kbps ~ 16 Mbps
Audio compression (-S)	G.711 / G.726 / MP2L2
Audio bit rate (-S)	64 Kbps(G.711)/16Kbps(G.726)/32-128Kbps(MP2L2)
Max. resolution	1920 x 1080
Frame rate	50Hz: 25fps (1920 × 1080), 25fps (1280 × 720) 60Hz: 30fps (1920 × 1080), 30fps (1280 × 720)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
BLC	Yes, zone configurable
Network storage	NAS
Alarm trigger	Motion detection, Tampering alarm, Network disconnect,IP address confict,Storage full
Protocols	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP,HTTPS,FTP,802.IX,Qos
System compatibility	ONVIF, PSIA, CGI
General functionalities	User authentication, watermark, dual stream
Communication interface	1 RJ45 10M / 100M ethernet port
Onboard storage	Built-in Micro SD/SDHC/SDXC card ,up to 64GB
Operating conditions	-30°C ~ +60°C humidity 95% or less (non-condensing)
Power supply	12 VDC ± 10% , PoE (802.3af)
Power consumption	Max. 5.5W (7.5W with ICR on)
Ingress protection level	IP66
EXIR range	Up to 30m
Dimensions	95 x 105 x 258.6 mm
Weight	1200g

2 MP & 1.3MP IR Bullet Network Camera

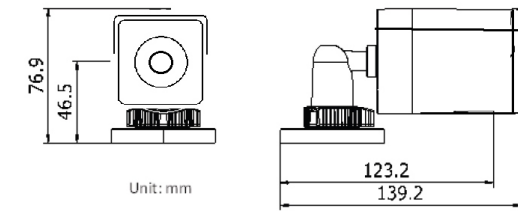
VNC-2220 / VNC-2120



Key Features

- 1/3" progressive scan CMOS
- 1920 x 1080 @ 25fps frame rate
- 4.0mm fixed lens
- H.264 / MJPEG Compression
- Up to 30m IR distance
- Support Line crossing and intrusion detection
- DWDR, 3D DNR, ROI, BLC, Defog
- PoE, ONVIF
- 5 Sereis : Audio I/O, Alarm I/O (Optional)
- IP66 weatherproof

Dimensions



Technical Specifications

Model NO.	VNC-2220	VNC-2120
Image Sensor	1/3" Progressive Scan CMOS	
Min. Illumination	0.07Lux @ (F1.2, AGC ON), 0 Lux with IR	
Shutter Time	1/25 s to 1/100,000 s	
Lens	4mm@ F2.0, Angle of view: 79° (6mm, 12mm optional)	
Lens Mount	M12	
Day & Night	IR cut filter with auto switch	
Digital Noise Reduction	3D DNR	
Wide Dynamic Range	Digital WDR	
Video Compression	H.264 / MJPEG	
H.264 codec profile	Main profile	
Video bit rate	32 Kbps ~ 16 Mbps	
Dual stream	Yes	
Max. resolution	1920 x 1080	1280 x 960
Frame rate	50Hz: 25fps(1920 x 1080), 25fps (1280 x 960), 25fps (1280 x 720) 60Hz: 30fps(1920 x 1080), 30fps (1280 x 960), 30fps (1280 x 720)	
Image settings	Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser	
BLC	Yes, zone configurable	
ROI	Yes, up to 4 configurable areas	
Network storage	NAS	
Alarm trigger	Motion detection, Dynamic analysis, Tampering alarm	
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS, RTP,RTSP,RTCP,PPPoE,NTP,UPnP,SMTP,SNMP, IGMP,802.IX,QoS,IPv6,Bonjour	
Security	User Authentication, Watermark	
Standard	ONVIF, PSIA, CGI, ISAPI	
Protection level	IP-66	
Communication interface	1 RJ45 10M / 100M ethernet port	
Reset Buttom	Yes	
Operating conditions	-30°C ~ +60°C Humidity 95% or less (non-condensing)	
Power supply	12 V DC ± 10% , PoE (802.3af)	
Power consumption	Max. 7W	
IR Range	30 meters	
Dimensions	60.4×76.9×139.28 mm (2.4" × 3.0" × 5.5")	
Weight	500g (1.1 lbs)	

2 MP & 1.3MP IR Fixed Dome Network Camera

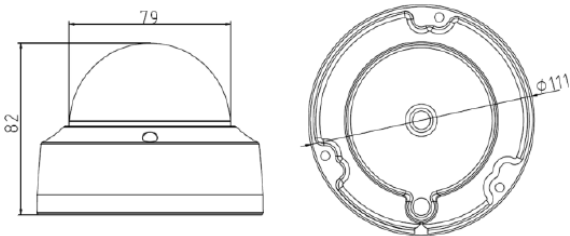
VNC-2260 / VNC-2160



Key Features

- 1/3" progressive scan CMOS
- 1920 x 1080 @ 25fps frame rate
- 4mm @ F2.0, Fixed Lens
- H.264 / MJPEG Compression
- Up to 30m IR distance
- Support Line crossing and intrusion detection
- DWDR, 3D DNR, ROI, BLC, Defog
- PoE, ONVIF
- 5 Sereis : Audio I/O, Alarm I/O (Optional)
- IP66 weatherproof

Dimensions



Technical Specifications

Model NO.	VNC-2260	VNC-2160
Image Sensor	1/3" progressive scan CMOS	
Min. Illumination	0.07Lux @F1.2, AGC ON, 0 lux with IR	
Shutter Time	1/3s ~ 1/100,100s	
Lens	4mm @ F2.0, (2.8mm, 6mm optional) Angle of view:98.5°(2.8mm), 79°(4mm), 49°(6mm)	
Lens Mount	M12	
Day & Night	IR cut filter with auto switch	
Digital Noise Reduction	3D DNR	
Wide Dynamic Range	Digital WDR	
Angle adjustment	Pan: 0° ~ 355°, Tilt: 0° ~ 65°, Rotation: 0 ~ 360°	
Video Compression	H.264 / MJPEG	
H.264 codec profile	Main profile	
Video bit rate	32 Kbps ~ 16 Mbps	
Dual Stream	Yes	
Max. resolution	1920 x 1080	1280 x 960
Frame rate	50Hz: 25fps (1920 x 1080), 25fps (1280 x 960) 60Hz: 30fps (1920 x 1080), 30fps (1280 x 720)	
Image settings	Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser	
BLC	Yes, zone configurable	
ROI	Yes, zone configurable	
Network storage	Local storage: Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB ; NAS	
Alarm trigger	Intrusion detection, Motion detection, Dynamic Analysis, Tampering alarm, Network disconnect IP address conflict, Storage full, Storage error	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE,NTP,UPnP,SMTP SNMP, IGMP, 802.IX, QoS, IPv6, Bonjour	
System compatibility	ONVIF, PSIA, CGI, ISAPI	
General functionalities	User Authentication, Watermark	
General function	Flickerless, dual stream, heartbeat, mirror, password protection, watermark	
Communication interface	1 RJ45 10M / 100M ethernet port	
Operating conditions	-30°C ~ +60°C humidity 95% or less (non-condensing)	
Power supply	12 VDC ± 10% , PoE (802.3af)	
Power consumption	Max. 5.5W (max. 7W with ICR on)	
Impact protection	IEC60068-2-75Eh, 50J; EN50102, up to IK10	
Ingress protection level	IP66	
IR range	Up to 30m	
Dimensions	Φ111 × 82 (4.4" × 3.2")	
Weight	500g (1.1 lbs)	

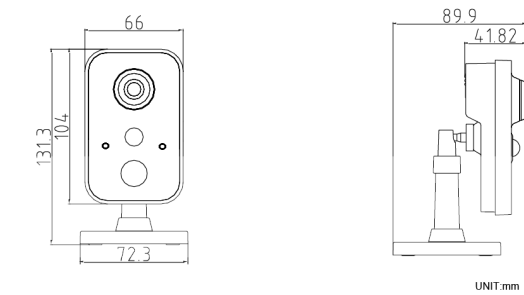
VNC-1595 / VNC-1395



Key Features

- 1/3” progressive scan CMOS
- 2560×1920 @ 20fps frame rate
- 2.8mm fixed lens
- True WDR, up to 120dB
- H.265+ / H.265 / H.264+ / H.264 Compression
- Up to 10m IR distance
- Build-in microphone and speaker
- Support two-way audio
- Support PIR (Passive Infrared Detection)
- Built-in Wi-Fi
- Support Line crossing and intrusion detection
- 3D DNR, ROI, Defog
- PoE, ONVIF, SD Card

Dimensions



Technical Specifications

Model No	VNC-1595 VNC-1395
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	0.01Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter Time	1/3 s ~ 1/100,000s
Lens	2.8 mm, horizontal field of view 105.8° [2.0 mm (126°)4 mm (83°), optional]
Day & Night	IR cut filter with auto switch
Wide Dynamic Range	120 dB
Video Compression	H.265+/H.265/H.264+/H.264
Video bit rate	32 Kbps ~ 16 Mbps
Audio Bit Rate	G.711/G.722.1/G.726/MP2L2
Audio Compression	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)
Max. resolution	2560 × 1920
Frame rate	20fps(2560×1920), 25fps/30fps(2560×1440, 2048×1536, 1920×1080)
Image Setting	Rotate Mode, Saturation, Brightness, Contrast Sharpness adjustable by client software
Day/Night Switch	Auto, scheduled, and triggered by alarm input
Others	Mirror, (Wide Dynamic Range) WDR, (Backlight Compensation)BLC, (Region of Interest) ROI
Network storage	Micro SD/SDHC/SDXC card (up to 128 GB) Local storage and NAS (NFS,SMB/CIFS), ANR
Detection	Intrusion Detection,Line Crossing Detection,Motion Detection, Dynamic Analysis
Alarm trigger	Tampering Alarm, HDD Full, HDD Error, Network Disconnected, IP Address Conflicted, Illegal Login
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS,FTP,DHCP,DNS DDNS, RTP, RTSP, RTCP,PPPoE, NTP, UPnP, SMTP SNMP, IGMP, 802.IX, QoS, IPv6, Bonjour
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Smart Features	Behavior Analysis, Line Crossing Detection, Intrusion Detection, Object Removal Detection Unattended Baggage Detection, Face Detection
Communication Interface	1 RJ45 10M/100M Ethernet interface
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128GB
Audio Interface	1build-in Mic, 1 build-in speaker
Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.4 GHz ~ 2.4835 Ghz
Protocols	802.11b: CCK, QPSK, BPSK, 802.11g/n: OFDM
Operating conditions	-10°C ~ +40°C , Humidity 95%
Power supply	DC12V ± 10%, PoE (802.3af) / Max. 5W
PIR	Angle: 90°, Range: 8m
IR range	Approx. 10 meters
Dimensions	72.3 × 91.9 × 131.3mm (2.85" × 3.62" × 5.17")
Weight	Approx. 400g (0.88lbs)

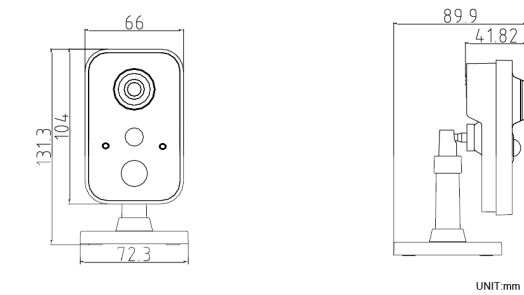
VNC-1490



Key Features

- 1/3” progressive scan CMOS
- 2688 x 1520 @ 20fps frame rate
- 2.8mm fixed lens
- True WDR, up to 120dB
- H.264+ / H.264 / MJPEG Compression
- Up to 10m IR distance
- Build-in microphone and speaker
- Support two-way audio
- Support PIR (Passive Infrared Detection)
- Built-in Wi-Fi
- Support Line crossing and intrusion detection
- 3D DNR, ROI, Defog
- PoE, ONVIF, SD Card

Dimensions



Technical Specifications

Model No	VNC-1490
Image Sensor	1/2.8" Progressive Scan CMOS
Min. Illumination	0.01Lux @ (F1.2, AGC ON), 0 Lux with IR
Shutter Time	1/3 s ~ 1/100,000s
Lens	2.8 mm, horizontal field of view 105.8° [2.0 mm (126°)4 mm (83°), optional]
Lens Mount	M 12
Day & Night	IR cut filter with auto switch
Wide Dynamic Range	120 dB
Video Compression	H.264+/H.264/MJPEG
H.264 Type	BaseLine Profile/Main Profile
Video bit rate	32 Kbps ~ 16 Mbps
Audio Bit Rate	G.711/G.722.1/G.726/MP2L2
Audio Compression	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)
Max. resolution	2688 x 1520
Frame rate	50Hz: 20fps (2688 × 1520), 25fps (1920 × 1080, 1280×720) / 60Hz: 20fps (2688 × 1520), 30fps (1920 × 1080, 1280×720)
Image Setting	Rotate Mode, Saturation, Brightness, Contrast Sharpness adjustable by client software
Day/Night Switch	Auto, scheduled, and triggered by alarm input
Others	Mirror, (Wide Dynamic Range) WDR, (Backlight Compensation)BLC, (Region of Interest) ROI
Network storage	Micro SD/SDHC/SDXC card (up to 128 GB) Local storage and NAS (NFS,SMB/CIFS), ANR
Detection	Intrusion Detection,Line Crossing Detection,Motion Detection, Dynamic Analysis
Alarm trigger	Tampering Alarm, HDD Full, HDD Error, Network Disconnected, IP Address Conflicted, Illegal Login
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS,FTP,DHCP,DNS DDNS, RTP, RTSP, RTCP,PPPoE, NTP, UPnP, SMTP SNMP, IGMP, 802.IX, QoS, IPv6, Bonjour
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Communication Interface	1 RJ45 10M/100M Ethernet interface
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128GB
Audio Interface	1build-in Mic, 1 build-in speaker
Wireless Standards	IEEE802.11b, 802.11g, 802.11n
Frequency Range	2.4 GHz ~ 2.4835 Ghz
Protocols	802.11b: CCK, QPSK, BPSK, 802.11g/n: OFDM
Operating conditions	-10°C ~ +40°C , Humidity 95%
Power supply	DC12V ± 10%, PoE (802.3af) / Max. 5W
PIR	Angle: 90°, Range: 8m
IR range	Approx. 10 meters
Dimensions	72.3 × 91.9 × 131.3mm (2.85" × 3.62" × 5.17")
Weight	Approx. 400g (0.88lbs)

NETWORK CAMERA / SPECIAL SERIES

Speed Camera Enforcement

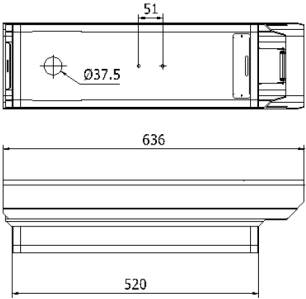
VNC-6310 Technical Specifications



Key Features

- Professional Multi Lane Radar
- 3MP 1" Progressive Scan CCD
- Up to 2048x1536@25fps for real-time output
- 1" F1.8, 25mm, Manual Iris,IR
- H.264 /MJPEG Compression
- License plate recognition, support vehicle front captureand Speeddetection
- Support synchronous supplement light , flash lamp or LED strobe-flash
- Standard ONVIF, SDK
- IP 67 weatherproof

Dimensions



Model No	VHC-6310
Image Sensor	1" Progressive Scan CCD
Lens	1" F1.8, 25mm, Manual Iris,IR
Day & Night	IR cut filter (auto & timing & manual)
Max. Resolution	2048x1536
Frame Rate	2048x1536 @ 25fps
Image Setting	AEC, AGC, saturation, brightness, contrast sharpness, White balance
Video Compression	H264 /MJPEG
Picture Format	JPEG
Protocols	TCP/IP,HTTP,DHCP,DNS,RTP,RTSP,NTP,FTP
Standard	ONVIF, SDK
Interface	One 10M/100M/1000MRJ45 Ethernet port; five RS-485 half-duplex interface
On-board storage	One USB interface and one SD card slot With the 128 GB maximize capacity
Trigger Input	Seven external input
Trigger Output	Seven (photoelectric coupling isolation 2500VAC/5V TTL),two relay output
Function	License plate recognition, support vehicle front capture and Speed detection
Terminal Access	Support terminal server access
LED Light	IR LED light projector Visible LED light projector
Internal configuration	Water-proof & dust-proof & network lightning arrester & RS-485 lightning arrester
Radar	Support 6 Lane, by Germany technology
Voltage	100V AC to 240V AC; Frequency: 48Hz to 52Hz
Power Consumption	<30W
Operating Temperature	-40°C to +60°C
Operating Humidity	5% to 95% @ 40°C (104°F), non-condensing
Ingress Protection	IP67
Cooling	Air cooling internal circulation
Blower	Included
Dimensions (W×H×D)	230mm x 90mm x 16mm
Weight	3.85KG

NETWORK CAMERA / SPECIAL SERIES

6MP / 2MP Intelligent Traffic System Camera

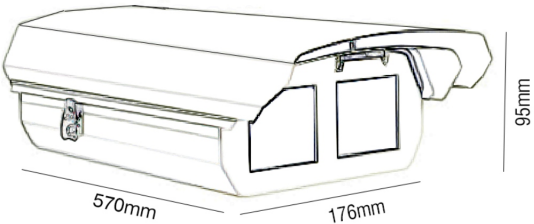
VNC-6610 / VNC-6210 Technical Specifications



Key Features

- 6MP, 3032 H x 2008 V / 2MP, 1600 H x 1200 V
- 1" (10.0mm) Progressive CCD,Target Size:8.80mm (H) x 6.60mm (V)
- H.264H, H.264M, H.264B, MJPEG
- 3D Noise Reduction
- 1 RS232 serial port ,3Radar serial (RS232)serial port
- 1 Vehicle inspection/Signal detector port (Rs485)
- 2, 10/100/1000M Ethernet port
- IP66 weatherproof

Dimensions



Model No	VNC-6610 VNC-6210
Resolution	VNC-6610 : 6MP, 3032 H x 2008 V VNC-6210 : 2MP, 1600 H x 1200 V
Image Sensor	1" (10.0mm) Progressive CCD,Target Size:8.80mm (H) x 6.60mm (V)
Dynamic range	64 dB
Image Compress Mode	JPEG
Compression	VNC-6610 : H.264H, H.264M, H.264B, MJPEG VNC-6210 : H.264
Video Resolution	VNC-6610 : 3032x2008,1600x1200, 1280x720, DI VNC-6210 : 1600x1200, 1280x720, DI, CIF
Video Frame Rate	25 FPS
Camera Speed Shutter	1/25-1/1000000
Smear Suppression	Support
Multi-Channel Integration	Support
Edge Enhancement	Support
Dead Pixel Correction	Support
Noise Reduction	3D Noise Reduction
Auto Exposure	Fully auto/Custom interval Auto/Custom
Auto White Balance	Fully auto/color temperature range auto/Custom
Holographic Dual-shutter	All image and videos ISC parameters
Day/Night	Auto ICR / Color/B/W
Loop I/O input	8, optical coupling input (switch)
Alarm Input /Output	1 I/O input / I/O output
Wiper controller output	1 Loop, relay output
External frequency source	Support - 12-36Vp-p or AC12-24V
LED Light	2 Loop, Frequency can be set
Flash Lamp	5 Loop, Opt coupler signal output
Video signal interface	1 CVBS/HD-SDI port
Network interface	2, 10/100/1000M Ethernet port
Data interface	1 RS232 serial port ,3Radar serial (RS232)serial port
Auto Iris	1 Vehicle inspection/Signal detector port (Rs485)
Loop / Radar Trigger	Support
Video Detection Trigger	Support
License Plate Recognition	Support
SD Card Storage	Support
Remote Control Function	Through Web client config and control
Image Records	Video/Image with watermark
Power Supply	DC 12V
External Frequency	Support, Sync phase support fine-tuning
Synchronization Function	Support, Sync phase support fine-tuning
Power Consumption	<15W (without Adapter)
Dimension	176mm×95mm×570mm(W×H×L)
Weight	7.8 Kg

NETWORK CAMERA / SPECIAL SERIES

2 MP ANPR Visible Light Bullet Camera

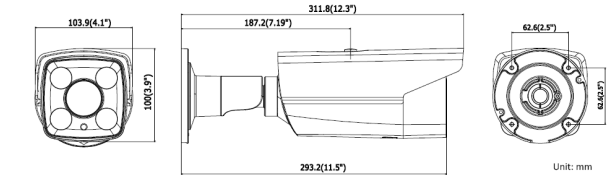
VNC-6226



Key Features

- 1/1.8" Progressive Scan CMOS
- 1920 x 1080 @ 50fps frame rate
- 2.8-12mm vari-focal lens
- Ultra-low light
- True WDR, up to 120dB
- White light range up to 50m
- Capture rate > 99% / Recognition rate > 98%
- Support Full Smart Function
- 3D DNR, BLC, ROI, Defog
- PoE, ONVIF, SD Card
- Audio I/O, Alarm I/O (S Series)
- IP66 weatherproof

Dimensions



Technical Specifications

Model No	VNC-6226
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON)
Shutter Speed	1 s to 1/100,000 s, supports slow shutter
Lens	28 mm to 12 mm, F1.4, horizontal of view: 92° to 32° 8 mm to 32 mm, F1.6, horizontal of view: 42° to 13.5°
WDR	120dB
Video Compression	H264+/H264/MPEG4
H264 Type	Baseline Profile/Main Profile/High Profile
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Max. Resolution	1920x1080
Frame Rate	50Hz: 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720)
Image Enhancement	Auto IRIS/ICR/BLC/3D DNR/Defog/EIS
Support	Region of Interest (Support 4 fixed region) , Target Cropping, Day/Night Switch, Picture Overlay
Accuracy	Capture Rate > 99% / Recognition Rate > 98%
Vehicle Speed	Support vehicle speed under 120 km/h (74.6 mi/h)
Line Number	Up to 4 lines supported. Recommended to set 1 or 2 lines for best performance
Whitelist and Blacklist	Up to 2048
Network Storage	Support microSD/SDHC/SDXC card (128G)
Alarm Trigger	Road traffic,motion detection,video tampering alarm network disconnected, IP address conflict,illegal login, HDD full, HDD error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP SMTP, SNMP,IGMP, 802.IX, QoS, Ipv6
General Function	One-key reset, anti-flicker, three streams, heartbeat password protection, privacy mask, watermark IP address filter, mirror, reset button
Standard	ONVIF (profile S, profile G), PSIA, CGI, ISAPI
Communication interface	1 RJ45 10M/100M Ethernet port
Audio	(S Series): 1 audio input(line in/mic in),1 audio output
Alarm	(S Series): 1 input, 1 output
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board storage	Built-in microSD/SDHC/SDXC slot, up to 128 G
Operating Conditions	-30°C ~ +60°C , Humidity 95%
Power Supply	12 VDC ± 10% terminal block / PoE (802.3at,class 4)
Power Consumption	12 VDC,max.18.1 W,1.6 A;PoE,max.24W, 0.4A to 0.6A
White Light	up to 50 meters white light range
Protection	IP 66
Dimenstions	100 × 103.9 × 311.8 mm (3.94" × 4.09" × 12.28")
Weight	2075 g (4.57 lb.)

NETWORK CAMERA / SPECIAL SERIES

2 MP ANPR Ultra-Low Light Bullet Camera

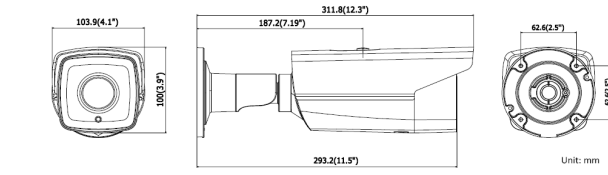
VNC-6225



Key Features

- 1/1.8" Progressive Scan CMOS
- 1920 x 1080 @ 50fps frame rate
- 2.8-12mm vari-focal lens
- Ultra-low light
- True WDR, up to 120dB
- IR light range up to 50m
- Capture rate > 99% / Recognition rate > 98%
- Support Full Smart Function
- 3D DNR, BLC, ROI, Defog
- PoE, ONVIF, SD Card
- Audio I/O, Alarm I/O (S Series)
- IP66 weatherproof

Dimensions



Technical Specifications

Model No	VNC-6225
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.002 Lux @ (F1.2, AGC ON)
Shutter Speed	1 s to 1/100,000 s, supports slow shutter
Lens	28 mm to 12 mm, F1.4, horizontal of view: 92° to 32° 8 mm to 32 mm, F1.6, horizontal of view: 42° to 13.5°
WDR	120dB
Video Compression	H264+/H264/MPEG4
H264 Type	Baseline Profile/Main Profile/High Profile
Video Bit Rate	32 Kbps to 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Max. Resolution	1920x1080
Frame Rate	50Hz: 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720)
Image Enhancement	Auto IRIS/ICR/BLC/3D DNR/Defog/EIS
Support	Region of Interest (Support 4 fixed region) , Target Cropping, Day/Night Switch, Picture Overlay
Accuracy	Capture Rate > 99% / Recognition Rate > 98%
Vehicle Speed	Support vehicle speed under 120 km/h (74.6 mi/h)
Line Number	Up to 4 lines supported. Recommended to set 1 or 2 lines for best performance
Whitelist and Blacklist	Up to 2048
Network Storage	Support microSD/SDHC/SDXC card (128G)
Alarm Trigger	Road traffic,motion detection,video tampering alarm network disconnected, IP address conflict,illegal login, HDD full, HDD error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP SMTP, SNMP,IGMP, 802.IX, QoS, Ipv6
General Function	One-key reset, anti-flicker, three streams, heartbeat password protection, privacy mask, watermark IP address filter, mirror, reset button
Standard	ONVIF (profile S, profile G), PSIA, CGI, ISAPI
Communication interface	1 RJ45 10M/100M Ethernet port
Audio	(S Series): 1 audio input(line in/mic in),1 audio output
Alarm	(S Series): 1 input, 1 output
Video Output	1Vp-p composite output (75 Ω/BNC)
On-board storage	Built-in microSD/SDHC/SDXC slot, up to 128 G
Operating Conditions	-30°C ~ +60°C , Humidity 95%
Power Supply	12 VDC ± 10% terminal block / PoE (802.3at,class 4)
Power Consumption	12 VDC,max.13.3W, 1.2A;PoE,max.17.6W,0.3A to 0.5A
IR Distance	850 nm IR wavelength, up to 50 meters IR range
Protection	IP 66
Dimenstions	100 × 103.9 × 311.8 mm (3.94" × 4.09" × 12.28")
Weight	2075 g (4.57 lb.)

2 MP Anti-Corrosion Network PTZ Dome Camera

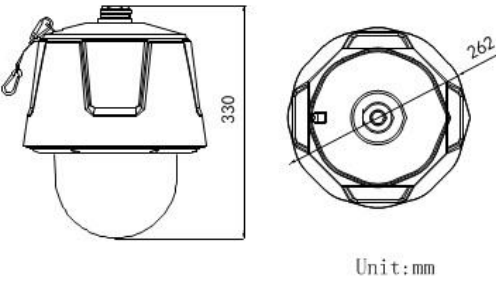
VNC-6285



Key Features

- Anti-corrosion stainless steel effectively avoid acidic and neutral salt fog corrosion
- 1920 x 1080 @ 25fps frame rate
- 23X Optical Zoom
- Ultra-low illumination
- True WDR, up to 120dB
- 316L stainless steel
- WF2, C5-M, NEMA 4X anti-corrosion standard
- Smart Tracking, Smart Detection, EIS, Defog
- Hi-PoE / 24VAC power supply
- IP67 weatherproof

Dimensions



Unit:mm

Technical Specifications

Model No	VNC-6285
Image Sensor	1/1.9" Progressive Scan CMOS
Min. Illumination	F1.5, AGC On: Color: 0.002 lux, B/W: 0.0002 lux
Max. Image Resolution	1920 x 1080
Focal Length	5.9-135.7mm, 23x
Digital Zoom	16X
Angle of View	59.8-3.0 degree (Wide-Tele)
Min. Working Distance	10-1500mm(Wide-Tele)
Focus Mode	Auto / Semiautomatic / Manual
Wide Dynamic Range	120 dB
S/N Ratio	≥ 55dB
Shutter Time	50Hz: 1-1/30,000s; 60Hz: 1-1/30,000s
White Balance	Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp
Day & Night	IR Cut Filter
Privacy Mask	24 privacy masks programmable
Enhancement	3D DNR, EIS, Defog, HLC/BLC, SVC, AGC
Range	Pan:360° endless; Tilt: -20°~90°(Auto Flip)
Speed	Pan Speed: 0.1°~300°/s, Pan Preset Speed:540°/s Tilt Speed: 0.1°~240°/s, Tilt Preset Speed: 400°/s
Number of Preset	300
Patrol / Pattern	8 patrols, up to 32 presets per patrol , 4 Patterns
Smart Tracking	Manual/Panorama/Intrusion trigger/Line crossing trigger/Region entrance trigger/Region exiting
Smart Detection	Face detection, Intrusion detection, Line crossing detection, Audio exception detection, Region entrance detection, Region exiting detection
Monitor Output	1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC
Audio Input	1 Mic in/Line in interface, line input: 2-24V[p-p]
Audio Output	1 Audio output interface,line level,impedance:600Ω
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Main Stream	50Hz: 25fps(1920×1080, 1280×960, 1280×720) 60Hz: 30fps(1920×1080, 1280×960, 1280×720)
Image Compression	H.264/MJPEG/MPEG4, H.264 encoding
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE
Mini SD Memory Card	Support up to 128GB Micro SD/SDHC/SDXC card
Application programming	Open-ended API, support ONVIF, PSIA , CGI
Power	Hi-PoE624 VAC, Max.60W
Working Temperature	-40°C ~ +65°C , Humidity:90% or less
Anti-corrosion standard	WF2, C5-M, NEMA 4X
Protection Level	IP67, IK10, TVS 4,000V lightning protection, surge protection and voltage transient protection
Dimensions / Weight	Φ262(mm) ×330(mm) / 10kg (approx.)

4MP Anti-Corrosion Network Bullet Camera

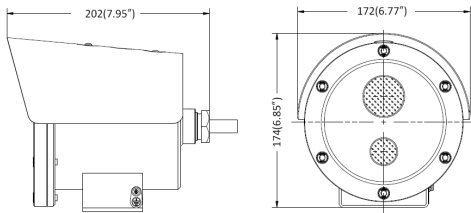
VNC-6430



Key Features

- Anti-corrosion stainless steel effectively avoid acidic and neutral salt fog corrosion
- 2560 x 1440 @ 25fps frame rate
- Ultra-low illumination
- True WDR, up to 120dB
- WF2, C5-M anti-corrosion standardsavoid acidicand NSS
- Smart Tracking, Smart Detection, EIS, Defog
- Hi-PoE / 24VAC power supply

Dimensions



Technical Specifications

Model No	VNC-6430
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	0.01Lux @(F1.2,AGC ON) ,0 Lux with IR on
Shutter Speed	1 s to 1/100,000 s, support slow shutter
Lens / Lens Mount	4mm ,6mm, 8mm, 12mm, 16mm / M12
Auto Iris	DC drive
Day & Night	IR cut filter with auto switch
Digital Noise Reduction	3D DNR
WDR	120db
Video Compression	H.264+ / H.265 / H.264+ / H.264
H.264 Type	Base Line Profile/ Main Profile/ High Profile
H.265 Type	Main Profile
Video Bit Rate	32Kbps-16Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726)
Max Resolution	2560 x 1440
Frame Rate	25fps (2560x1440, 1920x1080, 1280x960)
Image Settings	Corridor mode, Saturation, Brightness, Contrast and sharpness are adjustable
Features	BLC, Defog, EIS, BLC, ROI
Day/Night Switch	Auto, Schedule, Alarm trigger
Pictures Overlay	Support 24bit BMP image overlay,zone optional
Network Storage	Micro SD/SDHC/SDXC card (up to 128G), NAS
Alarm Trigger	Tampering alarm, Network disconnect IP address conflict, Storage full, storage error
Smart Features	Line Crossing,Scene Change,Intrusion, Audio Exception, Defocus,Motion Detection, Face Detection, Region Entrance/ Exiting, Loitering Rapid Motion,Unattended Baggage/Object Removal,Parking Detection, Dynamic Analysis
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS, DDNS,RTP,RTSP,RTCP,PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Audio interface	1-ch 3.5mm audio in(Mic in / Line in) / output external interface, a built-in microphone
Communication	1 M12 aviation head (4 core) network port, 1 RS-485 port, 1 RS-232 interface
Housing interface	2 anti-corrosion inlet protected by a metal hose
Video output	1Vp-p composite output (75 Ω/BNC)
Operating conditions	-30°C ~ +60°C , Humidity 95%
IR Range	Up to 30m
Power Supply	AC24V/DC12V/PoE(802.3af)
Power Consumption	7W MAX (9W Max. when ICR on)
Dimensions / Weight	202 x 174 x 172 mm / 7.34 kg

2MP Anti-Corrosion Network Bullet Camera

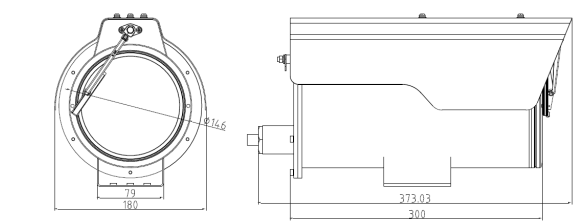
VNC-6230 Technical Specifications



Key Features

- Anti-corrosion stainless steel effectively avoid acidic and neutral salt fog corrosion
- 1920 x 1080 @ 25fps frame rate
- Ultra-low illumination
- True WDR, up to 120dB
- WF2, C5-M anti-corrosion standardsavoid acidicand NSS
- Smart Tracking, Smart Detection, EIS, Defog
- Hi-PoE / 24VAC power supply
- Support Wiper
- IP67 weatherproof

Dimensions



Model No	VNC-6230
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.002 Lux (@ F1.2, AGC ON) B/W: 0.00002 Lux , 0 Lux with IR
Shutter Speed	1/25 s to 1/100,000 s
Lens / Lens Mount	16mm / M12
Auto Iris	DC drive
Day & Night	IR cut filter with auto switch
Digital Noise Reduction	3D DNR
WDR	120db
Video Compression	H.264 / MJPEG / MPEG4
H.264 encoding level	Base Line Profile/ Main Profile/ High Profile
Video Bit Rate	32Kbps-16Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726)
Max Resolution	1920 × 1080
Frame Rate	50Hz:50fps (1920x1080,1280x960,1280x720); 60Hz:60fps (1920x1080,1280x960,1280x720)
Image Settings	Corridor mode, Saturation, Brightness, Contrast and sharpness are adjustable
Features	BLC, Defog, EIS, BLC, ROI
Day/Night Switch	Auto, Schedule, Alarm trigger
Pictures Overlay	Support 24bit BMP image overlay,zone optional
Network Storage	Micro SD/SDHC/SDXC card (up to 64G), NAS
Alarm Trigger	Tampering alarm, Network disconnect IP address conflict, Storage full, storage error
Smart Features	Line Crossing,Scene Change,Intrusion, Audio Exception, Defocus,Motion Detection, Face Detection, Region Entrance/ Exiting, Loitering Rapid Motion,Unattended Baggage/Object Removal,Parking Detection, Dynamic Analysis
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS DDNS,RTP,RTSP,RTCP,PPPoE,NTP,UPnP,SMTP SNMP,IGMP,802.1X,QoS,IPv6,Bonjour
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Audio interface	1-ch 3.5mm audio in(Mic in / Line in) / output external interface, a built-in microphone
Communication	1 M12 aviation head (4 core) network port, 1 RS-485 port, 1 RS-232 interface
Housing interface	2 anti-corrosion inlet protected by a metal hose
Video output	1Vp-p composite output (75 Ω/BNC)
Operating conditions	-30°C ~ +60°C , Humidity 95%
Power Supply	AC24V/DC12V/PoE(802.3af)
Power Consumption	6W MAX (9W Max. when ICR on)
Dimensions / Weight	69.8×58×145 / 830 g

2 MP Anti-Corrosion Network IR Dome Camera

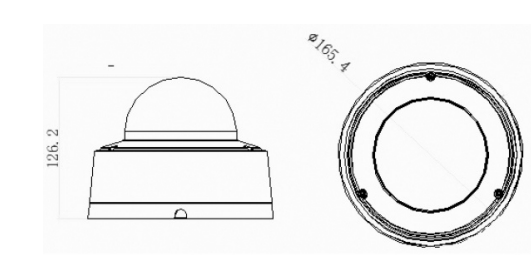
VNC-6270 Technical Specifications



Key Features

- Anti-corrosion stainless steel effectively avoid acidic and neutral salt fog corrosion
- 1920 x 1080 @ 25fps frame rate
- Ultra-low illumination
- True WDR, up to 120dB
- Smart Function, EIS, Defog
- PoE / 24VAC power supply
- IP66 weatherproof

Dimensions



Model No	VNC-6270
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	0.002 Lux (@ F1.2, AGC ON) 0 Lux with IR
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Support
Lens	2.8-12mm F1.4, angle of view: 92°~32°
Lens Mount	Φ14
Adjustment Range	Pan: 0°~355°, tilt: 0°~75°, rotation: 0°~355°
Auto Iris	DC Drive
Day & Night	IR cut filter with auto switch
WDR	120 dB
Video Compression	H.264 / MJPEG / MPEG4
H.264 encoding level	Base Line Profile/ Main Profile/ High Profile
Video Bit rate	32Kbps-16Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2
Audio Bit rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726)
Max. Resolution	1920 × 1080
Frame Rate	50Hz: 50fps (1920x1080,1280x960,1280x720); 60Hz: 60fps (1920x1080,1280x960,1280x720)
Image Settings	Corridor mode, Saturation, Brightness, Contrast and sharpness are adjustable by client software
Features	3D DNR, BLC, EIS, Defog, ROI
Network Storage	Micro SD/SDHC/SDXC card (up to 128G), NAS
Alarm Trigger	Tampering alarm, Network disconnect, IP address conflict, Storage full, storage error
Smart Features	Line Crossing Detection, Scene Change Detection Intrusion Detection, Audio Exception Detection Defocus Detection,Motion Detection,Face Detection Loitering, Rapid Motion Detection , Unattended Baggage/Object, Removal Detection, etc.
Protocols	TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS RTP,RTSP,RTCP,PPPoE,NTP,UPnP,SMTP,SNMP IGMP,802.1X,QoS,IPv6,Bonjour
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Audio Interface	Audio in(Mic in / Line in)/output external interface
Communications	1 RJ45 10M/100M Ethernet Network
Housing Interface	1 anti-corrosion inlet protected by a metal hose
Video Output	1Vp-p composite output (75 Ω/BNC)
Alarm	1Input /1output (up to DC24VIA or AC110V 500mA)
Operating Conditions	-40°C ~ +60°C , Humidity 95%
Power Supply	AC24V/DC12V/PoE(802.3at)
Power Consumption	16W MAX
IR Range	Approx. 10-30 m
Dimension	Φ165.4 × 126.2
Weight	3360g

Thermal + Optical Bi-spectrum Network Speed Dome

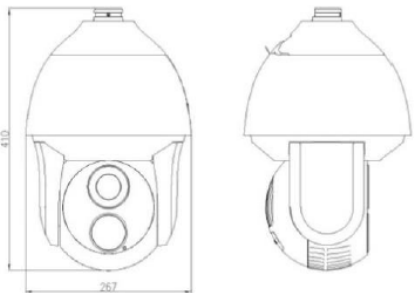
VNC-6288 Technical Specifications



Key Features

- Vanadium Oxide Uncooled Focal Plane Detectors
- Smart Function Support
- Resolution 384 x 288
- Response waveband 8-14μm
- High Performance IR array, up to 150m
- Support Smart IR
- IP66 weatherproof

Dimensions



Model No	VNC-6288
Image Sensor	Vanadium Oxide Uncooled Focal Plane Detectors
Max. Resolution	384 × 288
Response waveband	8-14μm
NETD	< 50mK (@25°C, F#=1.0)
Reference	Vehicle: 1.4mx4.0m
Lens focal length / visible	50mm / 11-40mm
Detection (vehicles)	3067m
Detection (humans)	1000m
Recognition (vehicles)	767m
Recognition (humans)	250m
Identification (vehicles)	383m
Identification (humans)	125m
Field angle / F number	11.0°x8.2° / 1.0
Zoom	30X optical zoom (4.3mm to 129mm), 16X d-zoom
Image setting	Brightness,AGC,DDE,FFC adjustable via software
Pan Range / Speed	360° endless / 240°/s
Tilt Range / Speed	-5°-90° (auto flip) / 200°/s
Proportional zoom	Support
IR distance / intensity	150m / Automatically adjusted
Max. Image resolution	1920×1080 (visible light), 384×288 (thermal)
Main Stream	50Hz:25fps(1920×1080), 25fps(1280×960), 25fps(1280×720) (visible light) 60Hz:30fps(1920×1080) 30fps(1280×960), 30fps(1280×720) (visible light) 50Hz:25fps(384×288) (thermal)
Video compression	H.264/MJPEG/MPEG4, H.264 encoding
Audio compression	G.711u/G.711a/G.722.1/MP2L2/G726/PCM
Protocols	IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTCP,TCP,UDP,IGMP,ICMP,DHCP,PPPoE,Bonjour
Simultaneous live view	Up to 20
User/Host level	Up to 32 users,3 levels:Administrator,Operator,User
Security measures	User authentication(ID and PW), MAC address binding,HTTPS encryption,IEEE 802.1x access cont.
Alarm input / output	1 inputs (0-5vDC), 1 relay outputs
Alarm action	SD recording/Relay output/FTP upload/Email
Audio input	1 Mic in/Line in interface. Line input: 2-2.4V[p-p]
Audio output	Line level, impedance: 600Ω
Ethernet	1 RJ45 10M/100M Self-adaptive Ethernet interface
SD memory card	Micro SD/SDHC/SDXC card (up to 64G)
Analog video output	1.0V[p-p] / 75Ω, PAL(or NTSC), BNC
Application programming	Open-ended API, support ONVIF, PSIA, CGI,
Power	AC24V / 40W max
Working temperature	-40°C ~ +65°C , Humidity:90% or less
Protection level / Weight	IP 66 / 8 Kg

Thermal + Optical Bi-spectrum Bullet Camera

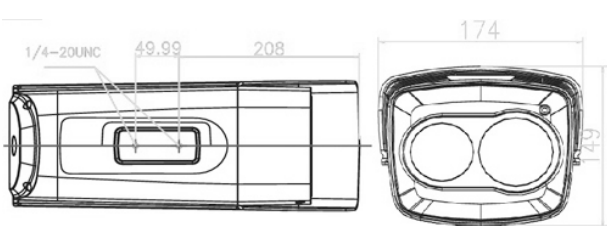
VNC-6220 Technical Specifications



Key Features

- Vanadium Oxide Uncooled Focal Plane Detectors
- Smart Function Support
- Resolution 384 x 288
- Response waveband 8-14μm
- High Performance IR array, up to 120m
- Support Smart IR
- IP66 weatherproof

Dimensions



Model No	VNC-6220
Image Sensor	Vanadium Oxide Uncooled Focal Plane Detectors
Max. Resolution	384 × 288
Response waveband	8-14μm
NETD	< 50mK (@25°C, F#=1.0)
Reference	Vehicle: 1.4mx4.0m
Lens focal length / visible	50mm / 11-40mm
Detection (vehicles)	3067m
Detection (humans)	1000m
Recognition (vehicles)	767m
Recognition (humans)	250m
Identification (vehicles)	383m
Identification (humans)	125m
Field angle / F number	11.0°x8.2° / 1.0
Power-off memory	Support
Image setting	Brightness,AGC,DDE,FFC adjustable via software
Color Palette	White Hot, Black Hot, Fusion1, Rainbow, Fusion2, Ironbowl, Ironbowl2, Sepia, Color1, Color2, Ice Fire, Rain, Red Hot, Green Hot
IR distance / intensity	120m / Automatically adjusted
Max. Image resolution	1920×1080 (visible light), 384×288 (thermal)
Main Stream	50Hz:25fps(1920×1080), 25fps(1280×960), 25fps(1280×720) (visible light) 60Hz:30fps(1920×1080) 30fps(1280×960), 30fps(1280×720) (visible light) 50Hz:25fps(384×288) (thermal)
Video compression	H.264/MJPEG/MPEG4, H.264 encoding
Audio compression	G.711u/G.711a/G.722.1/MP2L2/G726/PCM
Protocols	IPv4/IPv6,HTTP,HTTPS,802.1x,Qos,FTP,SMTP,UPnP,SNMP,DNS,DDNS,NTP,RTSP,RTCP,RTCP,TCP,UDP,IGMP,ICMP,DHCP,PPPoE,Bonjour
Simultaneous live view	Up to 20
User/Host level	Up to 32 users,3 levels:Administrator,Operator,User
Security measures	User authentication(ID and PW), MAC address binding,HTTPS encryption,IEEE 802.1x access cont.
Alarm input / output	1 inputs (0-5vDC), 1 relay outputs
Alarm action	SD recording/Relay output/FTP upload/Email
Audio input	1 Mic in/Line in interface. Line input: 2-2.4V[p-p]
Audio output	Line level, impedance: 600Ω
Ethernet	1 RJ45 10M/100M Self-adaptive Ethernet interface
SD memory card	Micro SD/SDHC/SDXC card (up to 64G)
Analog video output	1.0V[p-p] / 75Ω, PAL(or NTSC), BNC
Application programming	Open-ended API, support ONVIF, PSIA, CGI,
Power	AC24V / 40W max
Working temperature	-40°C ~ +65°C , Humidity:90% or less
Protection level / Weight	IP 66 / 7 Kg

6MP Compact Fisheye Network Camera

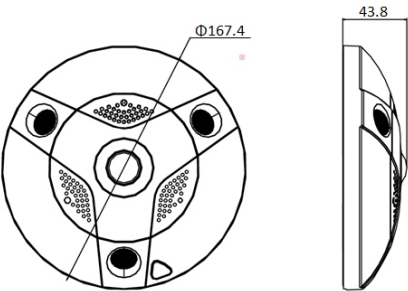
VNC-6640.....



Key Features

- 1/1.8” progressive scan CMOS
- 3072 x 2048 @ 25fps frame rate
- 1.27mm fixed lens
- 360° panoramic view
- H.264 / MJPEG Compression
- Up to 15m IR distance
- Multiple viewing modes
- Virtual PTZ
- Support Line crossing and intrusion detection
- DWDR, 3D DNR, ROI, BLC, Defog
- PoE, ONVIF
- S Sereis : Audio I/O, Alarm I/O (Optional)
- W Series : Support Wi-Fi (Optional)

Dimensions



Technical Specifications

Model No	VNC-6640
Image Sensor	1/1.8” progressive scan CMOS
Min. Illumination	0.3 lux @ (F2.8, AGC ON) , 0 lux with IR
Shutter Speed	1/25s ~ 1/100,000s
Slow Shutter	Support
Lens	1.27mm @F2.8, angle of view: 360°
Lens Mount	M12
Day & Night	ICR
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Digital WDR
Video Compression	H.264 / MJPEG
H.264 Type	Baseline Profile / Main Profile / High Profile
Video Bit rate	32 Kbps ~ 8 Mbps
Audio Compression	G.711/G.726/MP2L2
Audio Bit Rate	64Kbps (G.711) / 16Kbps (G.726) / 64Kbps (Mp2l2)
Max. Resolution	3072 x 2048
Frame Rate	Support 60Hz: 1 x fisheye (3072 x 2048, 25fps) or (2048x2048, 30fps) or 4x PTZ at (1024x768,30fps) Multi-channel Mode: support 60Hz: 1 x fisheye (1280 x 1280, 15fps) and 1 x panoramic (2048x1536, 15fps) and 3 x PTZ (1024 x 768, 15fps)
Image Enhancement	BLC/HLC/ROI/Defog
Image settings	Saturation, Brightness, Contrast adjustable by client software or web browser
Day/Night Switch	Auto / Schedule / Alarm trigger
Network storage	NAS (Support NFS,SMB/CIFS) Micro SD/SDHC/SDXC card slot, up to 128GB
Alarm trigger	Motion detection, dynamic analysis, tamper alarm network disconnect, IP address conflict , storage full, storage error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE,NTP,UPnP,SMTP SNMP, IGMP, 802.IX, QoS, IPv6, Bonjour
Security	User Authentication,Watermark,IP address filtering Anonymous access
Standard	ONVIF, PSIA, CGI
Operating conditions	-10°C ~ +60°C Humidity 95% or less (non-condensing)
Power supply	DC12V±10% / PoE
Power consumption	Max. 11 W
IR range	Max. 15 Meter
Dimensions	164 x 152.8 x 43.8mm (6.46” x 6.02” x 1.72”)
Weight	1500 g

5MP Compact Fisheye Network Camera

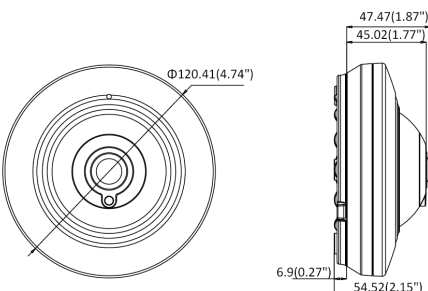
VNC-6545.....



Key Features

- 1/2.5” progressive scan CMOS
- 2560 × 1920 @30 fps frame rate
- 1.16mm fixed lens
- 360° panoramic view
- H.265+/H.265/H.264+/H.264 Compression
- Up to 10m IR distance
- Multiple viewing modes
- Virtual PTZ
- Support Line crossing and intrusion detection
- DWDR, 3D DNR, ROI, BLC, Defog
- PoE, ONVIF
- S Sereis : Audio I/O, Alarm I/O (Optional)
- W Series : Support Wi-Fi (Optional)

Dimensions



Technical Specifications

Model No	VNC-6545
Image Sensor	1/2.5” progressive scan CMOS
Min. Illumination	0.3 lux @ (F2.8, AGC ON) , 0 lux with IR
Shutter Speed	1/25s ~ 1/100,000s
Slow Shutter	Support
Lens	1.16mm @F2.8, angle of view: 360°
Lens Mount	M12
Day & Night	ICR
Digital Noise Reduction	3D DNR
Wide Dynamic Range	Digital WDR
Video Compression	H.265+, H.265, H.264+, H.264
H.264 Type	Baseline Profile / Main Profile / High Profile
Video Bit rate	32 Kbps ~ 8 Mbps
Audio Compression	G.711/G.726/MP2L2
Audio Bit Rate	64Kbps (G.711) / 16Kbps (G.726) / 64Kbps (Mp2l2)
Max. Resolution	2560 × 1920
Frame Rate	Support 60Hz: 1 x fisheye (2560×1920,30 fps) or (2048x2048, 30fps) or 4x PTZ at (1024x768,30fps) Multi-channel Mode: support 60Hz: 1 x fisheye (1280 x 1280, 15fps) and 1 x panoramic (2048x1536, 15fps) and 3 x PTZ (1024 x 768, 15fps)
Image Enhancement	BLC/HLC/ROI/Defog
Image settings	Saturation, Brightness, Contrast adjustable by client software or web browser
Day/Night Switch	Auto / Schedule / Alarm trigger
Network storage	NAS (Support NFS,SMB/CIFS) Micro SD/SDHC/SDXC card slot, up to 128GB
Alarm trigger	Motion detection, dynamic analysis, tamper alarm network disconnect, IP address conflict , storage full, storage error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS DDNS, RTP, RTSP, RTCP, PPPoE,NTP,UPnP,SMTP SNMP, IGMP, 802.IX, QoS, IPv6, Bonjour
Security	User Authentication,Watermark,IP address filtering Anonymous access
Standard	ONVIF, PSIA, CGI
Operating conditions	-10°C ~ +60°C Humidity 95% or less (non-condensing)
Power supply	DC12V±10% / PoE
Power consumption	Max. 11 W
IR range	Max. 10 Meter
Dimensions	164 x 152.8 x 43.8mm (6.46” x 6.02” x 1.72”)
Weight	1500 g

Multi-Sensor Panoramic Dome Camera

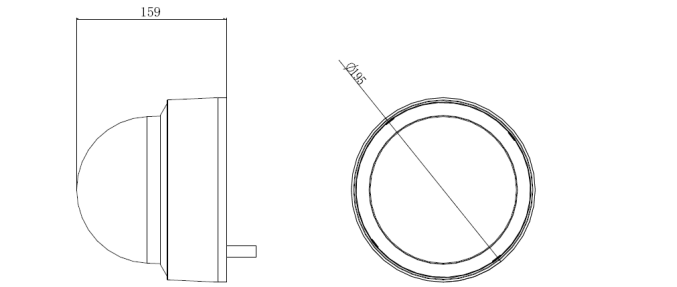
VNC-6860



Key Features

- 1/1.8" progressive scan CMOS
- 4096x1800 @ 25fps frame rate
- 5mm x 4 fixed lens
- Panoramic Camera
- 180° Horizontal View
- H.264 / MJPEG Compression
- DWDR, 3D DNR, ROI, BLC, Defog
- PoE, ONVIF, SD Card
- Audio I/O, Alarm I/O (S Series)

Dimensions



Technical Specifications

Model No	VNC-6860
Image Sensor	1/1.8" progressive scan CMOS
Min. Illumination	0.002 Lux @ (F2.2, AGC ON)
Shutter Speed	1/25s ~ 1/100,000s
Lens	5mm×4,Pan: 180°, Tilt:78.4°
Lens Mount	CS
Angle Adjustment	Pan: 0°~360°, tilt: 45°~90°
Day & Night	IR Cut Filter
Wide Dynamic Range	Digital WDR
Video Compression	H.264 / MJPEG
H.264 Type	Baseline Profile / Main Profile / High Profile
Video Bit rate	32 Kbps ~ 16 Mbps
Audio Compression	G.711/G.722.1/G.726/MP2L2/AAC/PCM
Audio Bit Rate	64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) 32-192Kbps(MP2L2) / 16-64Kbps(AAC)
Max. Resolution	4096 x 1800
Frame Rate	Main Stream: 50Hz: 25fps(4096×1800,3840×1680) 60Hz: 30fps(4096 × 1800, 3840× 1680)
Image Enhancement	BLC/3D DNR/ROI/Defog
Image settings	Saturation, Brightness, Contrast adjustable by client software or web browser
Day/Night Switch	Auto / Schedule / Alarm trigger
Picture Overlay	LOGO picture can be overlaid on video with 128x128 24bit bmp format
Network storage	NAS (Support NFS,SMB/CIFS), ANR
Alarm trigger	Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception
Protocols	TCP/IP, UDP, ICMP, HTTP, HTTPS,FTP,DHCP,DNS DDNS, RTP, RTSP, RTCP,PPPoE,NTP, UPnP, SMTP SNMP, IGMP, QoS, IPv6, Bonjour
Security	User Authentication,Watermark,IP address filtering Anonymous access
Standard	ONVIF(PROFILE S,PROFILE G),PSIA,CGI,ISAPI
Audio	1-ch 3.5 mm audio in(Mic in/Line in)/out interface
Communication interface	1 RJ45 10M/100/1000M Ethernet port, 1 RS-485
Alarm	1 input,1 output(up to DC24V 1A or AC110V 500mA)
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Operating conditions	-10°C ~ +60°C , Humidity 95%
Power supply	12 V DC ± 10%/PoE (802.3at); (24 V AC)
Power consumption	Max. 22 W
Impact Protection	IK 10
Dimensions	Φ195×159mm
Weight	2850 g

1.0MP WDR Pinhole Network Camera

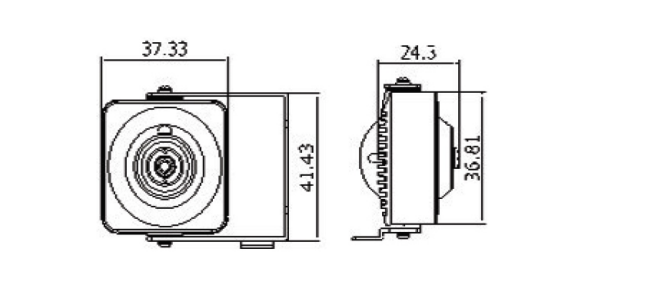
VNC-4190



Key Features

- 1/4" progressive scan CMOS
- 1280x720 @ 25fps frame rate
- 3.6mm fixed lens
- True WDR, up to 100dB
- H.264 / MJPEG Compression
- Support Line crossing and intrusion detection
- 3D DNR, ROI, BLC, Defog
- ONVIF
- Dimensions 35 x 35 x 15 mm

Dimensions



Technical Specifications

Model NO.	VNC-4190
Image Sensor	1/4" progressive scan CMOS
Min. Illumination	Color: 0.01 lux@F1.2, AGC on B/W: 0.001 lux@F1.2, AGC on
Shutter time	1/25s (1/30s) ~ 1/100,000s
Lens	3.6mm@F1.2
Day & Night	Electronic
Digital Noise Reduction	3D DNR
Wide Dynamic Range	100 dB
Video Compression	H.264 / MJPEG
H.264 codec profile	Main profile
Video Bit rate	32 Kbps ~ 16 Mbps
Max. Resolution	1280 x 720
Frame Rate	50Hz: 25fps (1280 x 720) 60Hz: 30fps (1280 x 720)
Image settings	Saturation, brightness, contrast adjustable through client software or web browser
Network storage	NAS
Alarm trigger	Motion detection,dynamic analysis,tampering alarm
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.IX, QoS, Ipv6, Bonjour (SIP optional)
System compatibility	ONVIF, PSIA, CGI, GB28181, ISAPI
General functionalities	Flickerless, dual stream, heartbeat, mirror, user authentication, video mask, watermark
Communication interface	1 RJ45 10 M / 100 M Ethernet port
Operating conditions	-30°C ~ +60°C Humidity 95% or less (non-condensing)
Power supply	12 VDC ± 10%
Power consumption	Max. 3W
Dimensions	35 x 35 x 15 mm
Weight	55g

NETWORK VIDEO RECORDER

256 / 128 Channel Connected Cameras

SERVER STATION PRO

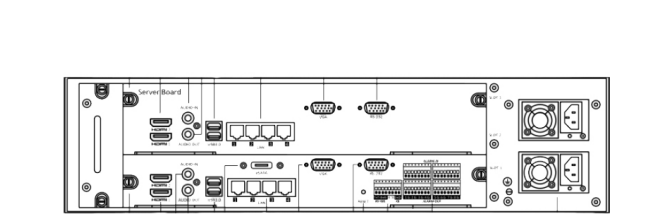


- Server Station
- 256-Ch 128-Ch
- MAP
- ONVIF
- VCA
- AUDIO
- ALARM

Key Features

- 254 / 128 Channel connected cameras
- Central management system
- Supports GPU hardware decoding to save CPU resources
- Windows Embedded System 10
- Storage 16 HDDs connectable
- Third-party product integration via ONVIF
- Decoding performance 2*4K / 9 * 1080p

Rear Panel



Technical Specifications

Model	Server Station Pro
Management mode	Central management system
CPU / Memory	Intel® Xeon®4-core(64-bit) E3-1225V5 CPU@3.30GHz / 8GB
Connected	Number of connected cameras : 256 / 128 Maximum number of connected clients : 25 Maximum number of cascading station : 25 Number of ANPR Camera : 16
Number of users	256
Recording Resolution	12 MP/8 MP/7 MP/6 MP/5 MP/4 MP/3 MP 1080p/UXGA/720p/VGA/4CIF/DCIF/CIF/QCIF
Incoming bandwidth	768 Mbps / 567 Mbps
Outgoing bandwidth	768 Mbps / 512 Mbps
Support	C/S client,Web Client,Mobile Client,Stream Media Server,Third-party cameras,Alarm management Map,Two-way audio,Broadcast,PTZ control,Fisheye expansion, People counting report
Integration	Third-party product integration via ONVIF
Standard screen layout	1, 4, 6, 8, 9, 13, 16, 25, 32, 36, 64, 128, 256
Wide screen layout	4, 6, 7, 9, 12, 16, 24, 36, 48
Auxiliary screen	1(main)+3(auxiliary) screens supported
Instant playback	Instant playback in live-view screen
Operation panel	Manual record / Snapshot / PTZ / E-Zoom Audio supported
Display layout	Up to 64-channel simultaneous playback
Search mode	Camera , Time , Event , VCA playback search
Speed control	1/8x,1/4x,1/2x,1x,2x,4x,8x supported
Alarm log	Alarm log , Operation log , System log , Device log
Backup	Log back-up as .csv
Operating system	Windows Embedded System 7
Storage	16 HDDs connectable,up to 24 TB
Memory	8 GB
eSATA / mini SAS	1 eSATA interface / 2 mini SAS
Array Type	RAID 0, RAID 1, RAID 5, RAID 6, RAID 10
Video output	2 HDMI output (4K Resolution) , 1 VGA output
Network interface	4 RJ-45 10 /100 /1000 Mbps self-adaptive self-adaptive Ethernet interfaces
USB interface	4 x USB 2.0, 1 x USB 3.0
Alarm in/out	16/8
Power Supply	2 power supply interfaces. 100 to 240VAC, 550W
Consumption	≤300 W
Working temperature	0°C ~ +50°C / Humidity 10% to 90%
Chassis	3U chassis
Dimensions	487 mm × 560 mm × 133 mm (19.2" × 22.0" × 5.2")
Weight	≤20 kg (44.09 lb)

NETWORK VIDEO RECORDER

32 / 16 Channel Connected Cameras

SERVER STATION

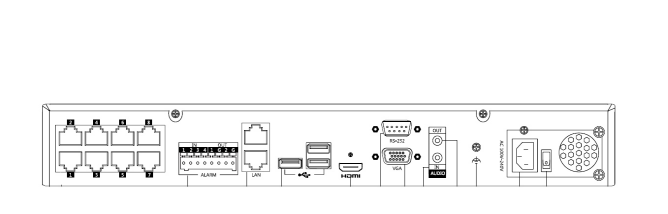


- Server Station
- 32-Ch 16-Ch
- MAP
- ONVIF
- VCA
- AUDIO
- ALARM

Key Features

- 32 / 16 Channel connected cameras
- Central management system
- Supports GPU hardware decoding to save CPU resources
- Windows Embedded System 7
- Storage 4 HDDs connectable
- Third-party product integration via ONVIF
- Decoding performance 2*4K / 9 * 1080p

Rear Panel



Technical Specifications

Model	Server Station
Management mode	Central management system
Connected	Number of connected cameras : 32 / 16 Maximum number of connected clients : 10 Maximum number of cascading station : 15 Number of ANPR Camera : 4
Number of users	32
Decoding performance	2 * 4K / 9 * 1080p
Incoming bandwidth	320 Mbps / 160 Mbps
Outgoing bandwidth	160 Mbps
Support	C/S client,Web Client,Mobile Client,Stream Media Server,Third-party cameras,Alarm management Map,Two-way audio,Broadcast,PTZ control,Fisheye expansion, People counting report
Integration	Third-party product integration via ONVIF
Standard screen layout	1, 4, 6, 8, 9, 13, 16, 25, 32, 36, 64
Wide screen layout	4, 6, 7, 9, 12, 16, 24, 36, 48
Auxiliary screen	1(main)+3(auxiliary) screens supported
Instant playback	Instant playback in live-view screen
Operation panel	Manual record / Snapshot / PTZ / E-Zoom Audio supported
Display layout	Up to 16-channel simultaneous playback
Search mode	Camera , Time , Event , VCA playback search
Speed control	1/8x,1/4x,1/2x,1x,2x,4x,8x supported
Alarm log	Alarm log , Operation log , System log , Device log
Backup	Log back-up as .csv
Operating system	Windows Embedded System 7
Storage	4 HDDs connectable,up to 24 TB
Memory	4 GB
SSD support	Yes (64 GB)
Video output	1 HDMI output, 1 VGA output
Network interface	2 RJ-45 10 /100 /1000 Mbps self-adaptive self-adaptive Ethernet interfaces
USB interface	4 x USB 2.0, 1 x USB 3.0
Alarm in/out	4/2
Audio in/out	1/1
Power Supply	110 to 220 VAC
Consumption	≤30 W
Working temperature	0°C ~ +45°C
Working humidity	10% to 90%
Chassis	19" 1.5U
Dimensions	440 mm × 400 mm × 66 mm
Weight	7.6 kg (16.8 lb)

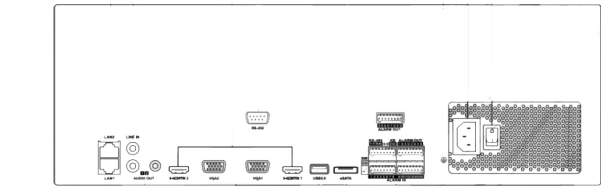
VNR-6412P16 / VNR-3212P16 Technical Specifications



Key Features

- H.265/H.264+/H.264/MPEG4 video formats
- Connectable to the third-party network cameras
- Up to 64 IP cameras cas be connected
- Recording at up to 12 MP resolution
- Dual-OS design to ensure high reliability of system running
- Supports live view, storage, and playback of the connected camera at up to 12 MP resolution
- HDMI Video output at up to 4K (3840x2160) resolution
- Up to 16 SATA interface and 1 eSATA interface
- 2 Self-adaptive 10M/100M/1000M network interface
- VCA detection alan is supported

Rear Panel



Model No	VNR-6412P16		VNR-3212P16
IP video input	64-ch		32-ch
Incoming bandwidth	320Mbps		
outgoing bandwidth	256 Mbps, or 200 Mbps (when RAID is enabled)		
VGA/HDMI output	HDMI1: 4K(3840×2160)/60Hz, 4K(3840×2160) 30Hz, 2K(2560×1440)/60Hz, 1920×1080/60Hz 1600×1200/60Hz, 1280×1024/60Hz, 1280×720 60Hz, 1024×768/60Hz HDMI2: 1920×1080/60Hz, 1280×1024/60Hz 1280×720/60Hz, 1024×768/60Hz VGA1: 2K(2560×1440)/60Hz, 1920×1080/60Hz 1280×1024/60Hz,1280×720/60Hz,1024×768/60Hz VGA2: 1920×1080/60Hz, 1280×1024/60Hz 1280×720/60Hz, 1024×768/60Hz		
Audio output	2-ch, RCA (Linear, 1KΩ)		
Decoding format	H265/H.264+/H.264/MPEG4		
Recording resolution	12 MP/8MP/6MP/5MP/4 MP/3MP/1080p/UXGA 720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF		
Synchronous playback	16-ch		
Capability	4-ch @4Kor 16-ch @ 1080p		
SATA / eSATA	16SATA interfaces / 1 eSATA interfaces		
Capacity	500GB/1TB/2TB/3TB/4TB/5TB/6TB		
Array type	RAIDO, RAID1, RAID5, RAID6, RAID10		
VCA events	IPC uploading supported		
Two-way audio	1-ch, RCA (2.0 Vp-p, 1kΩ)		
Network interface	2,RJ-45 10/100/1000 Mbps self-adaptive Ethernet		
Serial interface	RS-232; RS-485; Keyboard		
USB interface	Front panel: 2 × USB 2.0; Rear panel: 1× USB 3.0		
Alarm in/out	16/8		
Power supply	100 to 240 VAC, 50 to 60 Hz		
Max. Power	300 W		
Consumption	≤45W		
Working temperature	-10°C ~ +55°C		
Working humidity	10 to90 %		
Chassis	19-inch rack-mounted 3U chassis		
Dimensions	445 × 496×146mm(17.5 ×19.5 ×5.7		
Weight	≤ 12.5Kg(27.6 lb)		

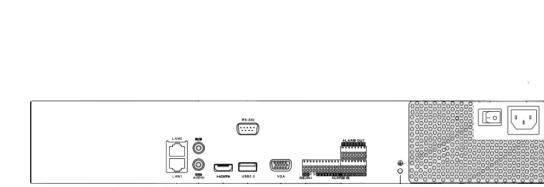
VNR-3212P4 / VNR-1612P4 Technical Specifications



Key Features

- H.265/H.264+/H.264/MPEG4 video formats
- Connectable to the third-party network cameras
- Up to 32 IP cameras can be connected
- Dual-OS design to ensure high reliability of system running
- Recording at up to 12 MP resolution
- Supports live view, storage, and playback of the connected camera at up to 12 MP resolution
- HDMI Video output at up to 4K (3840x2160) resolution
- Up to 4 SATA interface
- 1 Self-adaptive 10M/100M/1000M network interface
- VCA detection alarm is supported

Rear Panel



Model No	VNR-3212P4		VNR-1612P4
IP video input	32-ch		16-ch
Incoming bandwidth	32-ch: 256Mbps		16-ch: 160Mbps
outgoing bandwidth	256 Mbps, or 200 Mbps (when RAID is enabled)		
VGA/HDMI output	HDMI1: 4K(3840×2160)/60Hz, 4K(3840×2160) 30Hz, 2K(2560×1440)/60Hz, 1920×1080/60Hz 1600×1200/60Hz, 1280×1024/60Hz, 1280×720 60Hz, 1024×768/60Hz HDMI2: 1920×1080/60Hz, 1280×1024/60Hz 1280×720/60Hz, 1024×768/60Hz VGA1: 2K(2560×1440)/60Hz, 1920×1080/60Hz 1280×1024/60Hz,1280×720/60Hz,1024×768/60Hz VGA2: 1920×1080/60Hz, 1280×1024/60Hz 1280×720/60Hz, 1024×768/60Hz		
Audio output	1-ch, RCA (Linear, 1KΩ)		
Decoding format	H.265/H.264+/H.264/MPEG4		
Recording resolution	12 MP/8MP/6MP/5MP/4 MP/3MP/1080p/UXGA 720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF		
Synchronous playback	16-ch		
Capability	4-ch @4Kor 16-ch @ 1080p		
SATA	4 SATA interfaces		
Capacity	500GB/1TB/2TB/3TB/4TB/5TB/6TB		
VCA events	IPC uploading supported		
Two-way audio	1-ch, RCA (2.0 Vp-p, 1kΩ)		
Network interface	1,RJ-45 10/100/1000 Mbps self-adaptive Ethernet		
Serial interface	1 RS-485 (half-duplex), 1 RS-232		
USB interface	Front panel: 2 × USB 2.0; Rear panel: 1× USB 3.0		
Alarm in/out	16/4		
Power supply	100 to 240 VAC, 50 to 60 Hz		
Max. Power	200 W		
Consumption	≤25W		
Working temperature	-10°C ~ +55°C		
Working humidity	10 to90 %		
Chassis	19-inch rack-mounted 1.5 Uchassis		
Dimensions	445 × 390 ×70 mm (17.5"× 15.3" × 2.8")		
Weight	≤ 5 Kg (11lb)		

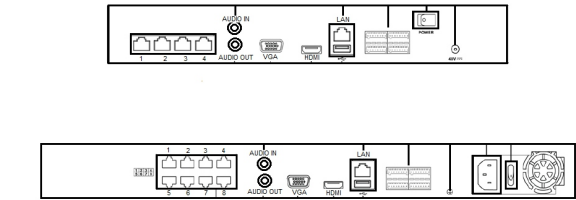
VNR-1608/VNR-808/VNR-408



Key Features

- H.265/H.264+/H.264/MPEG4 video formats
- Connectable to the third-party network cameras
- Up to 16 IP cameras can be connected
- Dual-OS design to ensure high reliability of system running
- Recording at up to 8MP resolution
- Supports live view, storage, and playback of the connected camera at up to 8MP resolution
- HDMI Video output at up to 4K (3840x2160) resolution
- Up to 2 SATA interface
- Power supply 100 ~ 240VAC, 6.3A, 50 ~ 60Hz
- 1 Self-adaptive 10M/100M/1000M network interface
- VCA detection alarm is supported

Rear Panel



Technical Specifications

Model No	VNR-1608 VNR-808 VNR-408
IP video input	VNR-1608 : 16-Ch VNR-808 : 8-Ch VNR-408 : 4-Ch
Two-way audio input	1-ch, BNC (2.0 Vp-p, 1kΩ)
Incoming bandwidth	VNR-1608 : 256 Mbps VNR-808 : 160 Mbps VNR-408 : 160 Mbps
Outgoing bandwidth	VNR-1608 : 160 Mbps VNR-808 : 160 Mbps VNR-408 : 160 Mbps
Remote connection	I28
Video Compression	H.265/H.264+/H.264/MPEG4
Recording resolution	8MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF DCIF/2CIF/CIF/QCIF
Frame rate	Main stream: 25 fps (P) / 30 fps (N) Sub-stream: 25 fps (P) / 30 fps (N))
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω) Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)
HDMI output	4K(3840×2160)/60Hz, 4K(3840×2160) 30Hz, 2K(2560×1440)/60Hz, 1920×1080/60Hz 1600×1200/60Hz, 1280×1024/60Hz, 1280×720 1024 × 768 /60Hz
VGA output	1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz 1024 × 768 /60Hz
Audio output	2-ch, BNC (Linear, 600Ω)
Live view / Playback resolution	8MP/5MP/3MP/1080P/UXGA/720P/VGA/4CIF DCIF /2CIF /CIF /QCIF
Capability	16-ch@720P, 8-ch@1080P
SATA	VNR-1608 / VNR-808 : 2 SATA interfaces VNR-408 : 1 SATA interfaces
Capacity	Up to 4TB capacity for each HDD
Network interface	1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet
Serial interface	RS-232; RS-485; Keyboard
USB interface	3 × USB 2.0
Alarm in/out	16 / 4
Power supply	100 ~ 240VAC, 6.3A, 50 ~ 60Hz
Consumption	≤ 40 W
Working temperature	-10°C ~ +55°C
Working humidity	10 % ~ 90 %
Chassis	19-inch rack-mounted 1.5U chassis
Dimensions(W × D × H)	445 × 390 ×70 mm
Weight(without hard disk)	≤ 4 Kg /8.82 lb (without hard disk or DVD-R/W)

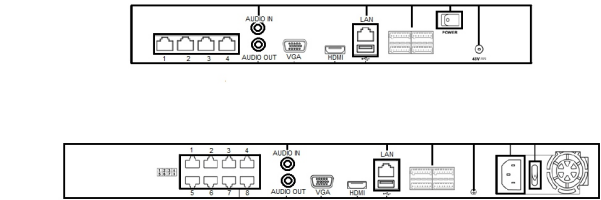
VNR-1605P/VNR-805P/VNR-405P



Key Features

- H.264+/H.264/MPEG4 video formats
- Connectable to the third-party network cameras
- Up to 16 IP cameras can be connected
- Dual-OS design to ensure high reliability of system running
- Recording at up to 5 MP resolution
- Supports live view, storage, and playback of the connected camera at up to 5 MP resolution
- HDMI Video output at up to 4K (3840x2160) resolution
- Up to 2 SATA interface
- Power supply 100 ~ 240VAC, 6.3A, 50 ~ 60Hz / PoE
- 1 Self-adaptive 10M/100M/1000M network interface
- VCA detection alarm is supported

Rear Panel



Technical Specifications

Model No	VNR-1605P VNR-805P VNR-405P
IP video input	VNR-1605P : 16-Ch VNR-805P : 8-Ch VNR-405P : 4-Ch
Two-way audio input	1-ch, BNC (2.0 Vp-p, 1kΩ)
Incoming bandwidth	VNR-1605P : 160 Mbps VNR-805P : 80 Mbps VNR-405P : 40 Mbps
Outgoing bandwidth	VNR-1605P : 80 Mbps VNR-805P : 80 Mbps VNR-405P : 80 Mbps
Remote connection	I28
Video Compression	H.264+/H.264/MPEG4
Recording resolution	5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF 2CIF/CIF/QCIF
Frame rate	Main stream: 25 fps (P) / 30 fps (N) Sub-stream: 25 fps (P) / 30 fps (N))
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω) Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)
HDMI output	1-ch, resolution: 1920 × 1080P /60Hz, 1920 × 1080P 50Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz
VGA output	1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz 1024 × 768 /60Hz
Audio output	2-ch, BNC (Linear, 600Ω)
Live view / Playback resolution	5MP /3MP /1080P /UXGA /720P /VGA /4CIF DCIF /2CIF /CIF /QCIF
Capability	16-ch@720P, 8-ch@1080P
SATA	VNR-1605P / VNR-805P : 2 SATA interfaces VNR-405P : 1 SATA interfaces
Capacity	Up to 4TB capacity for each HDD
Network interface	1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet
Serial interface	RS-232; RS-485; Keyboard
USB interface	3 × USB 2.0
Alarm in/out	16 / 4
Power supply	100 ~ 240VAC, 6.3A, 50 ~ 60Hz / PoE
Consumption	≤ 40 W
Working temperature	-10°C ~ +55°C
Working humidity	10 % ~ 90 %
Chassis	19-inch rack-mounted 1.5U chassis
Dimensions(W × D × H)	445 × 390 ×70 mm
Weight(without hard disk)	≤ 4 Kg /8.82 lb (without hard disk or DVD-R/W)

VNR-1605E/VNR-805E/VNR-405E

Technical Specifications

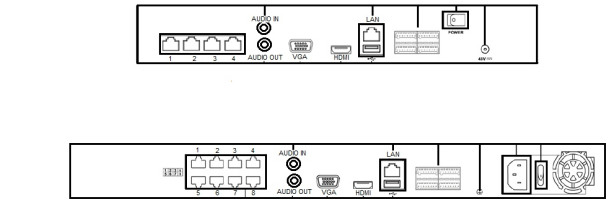


- 16-Ch
- H.264+
- 5 MP
- HDMI
- 2 SATA
- VCA
- AUDIO

Key Features

- H.264+/H.264/MPEG4 video formats
- Connectable to the third-party network cameras
- Up to 16 IP cameras can be connected
- Dual-OS design to ensure high reliability of system running
- Recording at up to 5 MP resolution
- Supports live view, storage, and playback of the connected camera at up to 5 MP resolution
- HDMI Video output at up to 4K (3840x2160) resolution
- Up to 2 SATA interface
- Power supply 100 ~ 240VAC, 6.3A, 50 ~ 60Hz
- 1 Self-adaptive 10M/100M/1000M network interface
- VCA detection alarm is supported

Rear Panel



Model No	VNR-1605E VNR-805E VNR-405E
IP video input	VNR-1605E : 16-Ch VNR-805E : 8-Ch VNR-405E : 4-Ch
Two-way audio input	1-ch, BNC (2.0 Vp-p, 1kΩ)
Incoming bandwidth	VNR-1605E : 160 Mbps VNR-805E : 80 Mbps VNR-405E : 40 Mbps
Outgoing bandwidth	VNR-1605E : 80 Mbps VNR-805E : 80 Mbps VNR-405E : 80 Mbps
Remote connection	128
Video Compression	H.264+/H.264/MPEG4
Recording resolution	5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF 2CIF/CIF/QCIF
Frame rate	Main stream: 25 fps (P) / 30 fps (N) Sub-stream: 25 fps (P) / 30 fps (N))
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω) Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)
HDMI output	1-ch, resolution: 1920 × 1080P /60Hz, 1920 × 1080P 50Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz
VGA output	1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz 1024 × 768 /60Hz
Audio output	2-ch, BNC (Linear, 600Ω)
Live view / Playback	5MP /3MP /1080P /UXGA /720P /VGA /4CIF
resolution	DCIF /2CIF /CIF /QCIF
Capability	16-ch@720P, 8-ch@1080P
SATA	VNR-1605E / VNR-805E : 2 SATA interfaces VNR-405E : 1 SATA interfaces
Capacity	Up to 4TB capacity for each HDD
Network interface	1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet
Serial interface	RS-232; RS-485; Keyboard
USB interface	3 × USB 2.0
Alarm in/out	16 / 4
Power supply	100 ~ 240VAC, 6.3A, 50 ~ 60Hz
Consumption	≤ 40 W
Working temperature	-10°C ~ +55°C
Working humidity	10 % ~ 90 %
Chassis	19-inch rack-mounted 1.5U chassis
Dimensions(W × D × H)	445 × 390 ×70 mm
Weight(without hard disk)	≤ 4 Kg /8.82 lb (without hard disk or DVD-R/W)

VNR-1605 / VNR-805 / VNR-405

Technical Specifications

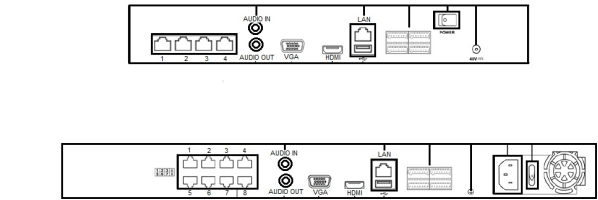


- 16-Ch
- H.264+
- 5 MP
- HDMI
- 2 SATA
- VCA
- AUDIO

Key Features

- H.264+/H.264/MPEG4 video formats
- Connectable to the third-party network cameras
- Up to 32 IP cameras can be connected
- Dual-OS design to ensure high reliability of system running
- Recording at up to 5 MP resolution
- Supports live view, storage, and playback of the connected camera at up to 5 MP resolution
- HDMI Video output at up to 4K (3840x2160) resolution
- Up to 2 SATA interface
- 1 Self-adaptive 10M/100M/1000M network interface
- VCA detection alarm is supported

Rear Panel



Model No	VNR-1605 VNR-805 VNR-405
IP video input	VNR-1605 : 16-Ch VNR-805 : 8-Ch VNR-405 : 4-Ch
Two-way audio input	1-ch, BNC (2.0 Vp-p, 1kΩ)
Incoming bandwidth	VNR-1605 : 160 Mbps VNR-805 : 80 Mbps VNR-405 : 40 Mbps
Outgoing bandwidth	VNR-1605 : 80 Mbps VNR-805 : 80 Mbps VNR-405 : 80 Mbps
Remote connection	128
Video Compression	H.264+/H.264/MPEG4
Recording resolution	5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF 2CIF/CIF/QCIF
Frame rate	Main stream: 25 fps (P) / 30 fps (N) Sub-stream: 25 fps (P) / 30 fps (N))
CVBS output	1-ch, BNC (1.0 Vp-p, 75 Ω) Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)
HDMI output	1-ch, resolution: 1920 × 1080P /60Hz, 1920 × 1080P 50Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz
VGA output	1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz 1024 × 768 /60Hz
Audio output	2-ch, BNC (Linear, 600Ω)
Live view / Playback	5MP /3MP /1080P /UXGA /720P /VGA /4CIF
resolution	DCIF /2CIF /CIF /QCIF
Capability	16-ch@720P, 8-ch@1080P
SATA	VNR-1605 / VNR-805 : 2 SATA interfaces VNR-405 : 1 SATA interfaces
Capacity	Up to 4TB capacity for each HDD
Network interface	1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet
Serial interface	RS-232; RS-485; Keyboard
USB interface	3 × USB 2.0
Alarm in/out	16 / 4
Power supply	100 ~ 240VAC, 6.3A, 50 ~ 60Hz / PoE
Consumption	≤ 40 W
Working temperature	-10°C ~ +55°C
Working humidity	10 % ~ 90 %
Chassis	19-inch rack-mounted 1.5U chassis
Dimensions(W × D × H)	445 × 390 ×70 mm
Weight(without hard disk)	≤ 4 Kg /8.82 lb (without hard disk or DVD-R/W)

MOBILE NETWORK VIDEO RECORDER

8 / 4 Channel Mobile NVR

VNR-802P / VNR-402P

Technical Specifications

Model No	VNR-802P		VNR-402P
IP video input	8-ch		4-ch
Audio input	8-ch		4-ch
VGA output	1-ch,Resolution: 1920 × 1080/60Hz, 1280 × 1024 60Hz, 1280 × 720/60Hz, 1024 × 768/60Hz		
CVBS output	3-ch,Aviation plug (I.O Vp-p, 75 Ω) Resolution:PAL: 704 × 576, NTSC: 704 × 480		
Audio output	3-ch, Aviation plug (linear level,600Ω)		
Video compression	H.264		
Frame rate	25 fps (PAL)/30 (NTSC)		
Audio compression	G.711		
Playback	Local playback: single channel playback; Web playback: single channel playback and multi-channel synchronous playback.		
Hard Disk Type	Two 2.5-inch SATA HDDs/SSDs		
Capacity	Up to 1TB capacity for each disk supported		
Installation	Pluggable		
Protection	Patented 3-generation hard disk box		
Backup	USB interfaces on hard disk box and device front panel supporting data backup		
Dialing	3G (WCDMA) and 4G (LTE-TDD)		
Wi-Fi	802.11 b/g/n supported, 2.4GHz		
Positioning GNSS	GPS		
Two-way audio	1-ch, G. 722		
Sensor-in	4 high/low level signal inputs; 1 pulse signal input		
Alarm input	3 high/low level signal inputs		
Alarm output	2 signal outputs		
Network interface	1 RJ45 10M/100M self-adaptive Ethernet interface		
Serial interface	1 RS-232 interface. / 1 RS-422 interface, including reserved auto announcer interface.		
USB interface	1 USB2.0 interface on the front panel;		
PoE interface	VNR-802P : 8 / VNR-402P : 4 RJ45 10M/100M self-adaptive PoE interfaces, 802.3af,		
eSATA interface	1		
EXP.STOR	Connectable to external HDD for storage expansion		
SIM card	1, standard SIM card slot		
Operating system	Embedded Linux operation system		
Operating method	Local operation, IR remote control, Web operation		
Power supply	9 to 32 VDC		
Consumption	Standby: Max. 0.5W; Full load: Max.20W		
Working temperature	-10°C ~ +55°C with enterprise-class HDD; -20°C ~ +60°C with industrial-class HDD.		
Working humidity	10% to 90%		
Dimensions	245.8mm×202mm×86.87mm)		
Weight	≤ 3.5kg (7.72 lb) (without hard disk)		

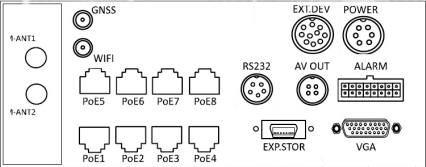


- 8-Ch
- H.264
- 1080P
- 3G,4G
- Wi-Fi
- GPS
- AUDIO

Key Features

- Connected to 2MP Resolution Camera
- Pluggable GPS (Global Positioning System)
- 8 / 4 independent PoE network interfaces
- Two pluggable 2.5-inch HDDs/SDDs
- Adopting hard disk vibration damping technology
- Wi-Fi & 3G Dialing function (optional)
- Built-in G-sensor

Rear Panel



SOFTWARE

Central Management Server (CMS)

VIEWNET3500 PLUS

Technical Specifications

Software	ViewNet3500 Plus
CMS	Provide unified authentication service for clients and servers / Provide the centralized management for the users, roles, permissions, surveillance devices, alarm devices and servers / Provide the log management and statistics function / Provide the interface for third-party system integration Scalable for medium and large-size projects Service manager
Operating System	Windows Server 2008 / 2012 / 2016 (64-bit) Windows 7 / 8 / 10 (32/64-bit)
Browser Version	IE 8-11 / Chrome / Fire Fox
Smart Phone / Tablet	iOS 6 / iPhone 4S, iPad 2, or above Android 2.3.3/CPU@1GHz, Memory@1GB,or above
System	Flexible license activation methods : online and offline activation / Startup wizard guide the user through basic operations Standard ONVIF protocol Multiple devices are supported IP cameras, video encoders, DVRs, NVRs, Alarm inputs/outputs, access controls, POS terminal, ANPR, etc. Manage the devices by areas Record central storage (PC software based) Distributed storage DVR, NVR, IP Camera (SD card) Detect camera and devices events , alarm Role & User Management Access control configuration (add-on) System configuration & maintenance
Control Cinet	Live View real-time video from the cameras Normal playback for continuous recordings Alarm Center : Display event alarm info including alarm time, alarm name, alarm status, etc. Support E-MAP People counting statistic Heat map statistic License plate recognition Access control sub-system Business Intelligence Search the recordings by cameras , recording type, time for backup



- CMS
- Windows Systems
- 1024 Ch
- 200 Mbps
- ONVIF
- E-MAP
- ALARM AUDIO

Key Features

- Support All Windows Operating Systems
- Max. 1024 Number of Connected Cameras Per System
- Provide unified authentication service for clients/servers
- Provide the log management and statistics function
- Scalable for medium and large-size projects
- Provide the interface for third-party system integration
- Service manager
- Standard ONVIF protocol
- Multi devices are supported: IP Cameras, video encoders, DVRs, NVRs, Access control and ...
- Support E-MAP

Number of Connected Cameras Per System	Max. 1024
Number of Connected Devices Per System	Max. 1024
Number of Connected Alarm Input/Output	Max. 1024
Control and Web Clients Per System	Max. 16
Mobile Clients Per System	Max. 64
Web Manager Per System	Unlimited
Number of Users	Unlimited
Number of Roles	Max. 64
User Permission Levels	Max. 100
Number of Storage and Stream Server	Max. 16
Number of Cameras Per Storage Server	Max. 64
Video Storage Efficiency	Max. 128 Mbps
Pictures Storage Efficiency	Max. 10 Pictures
Bandwidth of Video Input	Max. 200*2 Mbps
Bandwidth of Video Output	Max. 200*2 Mbps

ACCESSORIES

24 / 16 / 8 / 4 ports Unmanaged PoE Switch

VPS-24100/VPS-16100/VPS-8100/VPS-4100.. Technical Specifications

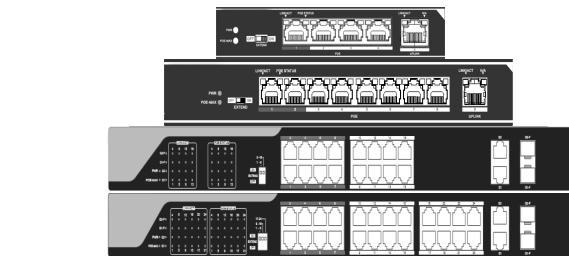


- 24 PORT
- Steady Supply
- 250 Meter
- Plug & Play
- PoE

Key Features

- IEEE 802.3at and IEEE 802.3af Power over Ethernet (PoE) compliant
- 24x10/100Mbps Auto-MDIX PoE ports
- Provides up to 30 watts per PoE port
- Supports PoE power up to 370W for all PoE ports
- 4 KV surge protection for PoE ports
- IEEE 802.3x flow control support
- Plug-and-play installation
- 8.8 Gbps switching fabric
- 2.75 Mbits RAM Data Buffer
- 4K MAC address entries
- Sturdy metal enclosure

Dimensions



Model No	VPS-24100 VPS-16100 VPS-8100 VPS-4100			
Network Ports	26	18	9	5
Network Protocol	IEEE802.3,802.3u,802.3x, 802.3af, 802.3at			
Switching Capacity	8.8Gbps	7.2Gbps	1.8Gbps	1Gbps
Uplink Port	VPS-24100 / VPS-16100 : 1000M Combo Port,2 VPS-8100 / VPS-4100 : 100M Ethernet Port,1			
Max. Forwarding Rate	6.55Mpps	5.36Mpps	1.34Mpps	0.74Mpps
High Priority Ports	VPS-24100 / VPS-16100 : Ports 1-8 VPS-8100 : Ports 1-2 VPS-4100 : Port 1			
Forwarding Mode	Store-and-forward			
MAC Address Table	4k			
Flow Control	IEEE802.3x full duplex			
PoE Port	24	16	8	4
PoE Standard	802.3af, 802.3at			
PoE Power Budget	370W	230W	123W	57W
Working Mode	Supports 8 pins powering			
Power Supply	VPS-24100 / VPS-16100 : 100-240V AC, 50/60Hz VPS-8100 : 51V DC, 25A			
Power Consumption	≤440W	≤250W	≤127W	≤63W
Surge Protection	4kV			
Working Temperature	0°C ~ +40°C			
Working Humidity	Humidity: 10%-90% , non-condensing			
Storage Temperature	-30°C ~ +60°C			
Storage Humidity	Humidity: 5%-90% , non-condensing			
Weight	4.29kg	3.72kg	0.57kg	0.299kg
Dimension	VPS-24100 / VPS-16100 : 440mm*285mm*43mm VPS-8100 : 235mm*103mm*27mm VPS-4100 : 132 mm* 93.3mm * 27.6mm			

ACCESSORIES

Network Keyboard Control

VHN-K130 Technical Specifications



- LAN
- RS-485
- 3AXIS Joystic
- RS-232
- 7" LCD
- Multi Protocol

Key Features

- 7" TFT touch screen at 800×480 resolution
- Speed dome, video decoder & DVR control
- 1-ch HD video stream decoding at 1080p
- Support 15 users, and each can operate up to 256 devices
- USB 2.0 interface for video backup
- Multi protocol: Vertina, Vicon, Panasonic, Samsung, . . .

Model No	VHN-K130
Line in	1-ch, 3.5 mm connector (2.0 Vp-p, 1 kΩ)
Audio out	1-ch, 3.5 mm connector (Linear, 560 Ω)
Network interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet
RS-232 interface	1 RS-232 interface (for parameters configuration and maintenance)
RS-485 interface	1 RS-485 interface
USB interface	1, USB2.0 (for data storage and device upgrade)
LCD	Resolution: 800 × 480
Power supply	12 VDC
Power consumption	≤ 15W
Working temperature	-10°C ~ +55°C
Working humidity	10% ~ 90%
Dimensions (W×D×H)	110 × 193 × 435 mm
Weight	2 kg

Rear Panel





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