

V6812IR-H02 Series

HD 2MP IR IP Minidome Camera

Infinova[®]
The Integrator's Manufacturer



- **1/2.8" progressive scan CMOS sensor**
- **Built-in dot matrix IR illuminators, at 850nm wavelength, up to 20 meters night vision distance**
- **The illuminator output rate can be automatically adjusted according to the lighting condition**
- **IR-Cut Removable (ICR) Filter for Day/Night switching**
- **Three Simultaneous Video Streams: Dual H.264 & Scalable M-JPEG**
- **With resolution up to 1080P**
- **Smooth videos, with the frame rate up to 30fps**
- **Support one way audio input**
- **Support Horizontal/Vertical Mirror**
- **Support Corridor mode**
- **Support WDR function**
- **Backlight Compensation**
- **Local Recording**
- **Up to four ROI (Region of Interest) areas**
- **Up to four definable motion detection areas**
- **Up to four definable privacy mask areas**
- **Support video mask alarm**
- **Alarms triggered by motion detection link with email sending and FTP upload**
- **Support simultaneous access and parameter setting via Web Server from multiple clients**
- **Compatible or able to integrate with Infinova V2216 and other digital video surveillance software**
- **Standard SDK is provided for easy integration with other systems**
- **Onvif Profile S**
- **Compact structure for surface mount, 3-axis adjustment**
- **Support analog video output**
- **12VDC power supply**
- **IP55 environmental rating**

V6812IR-H02 series HD 2MP IR IP minidome camera features 1/2.8" progressive scan CMOS sensor and built-in 3.0 megapixel fixed lens (4mm/6mm/8mm/12mm optional). With H.264/M-JPEG compression format utilized, this camera can output HD full-frame videos with the resolution up to 1080P. The built-in dot matrix IR illuminators allow a maximum of 20 meters night vision distance (the distance will be different for different lenses). The output power of the illuminator can be automatically adjusted according to the lighting condition, thus the IR illuminators will be free of full-load operation. This also lowers the overall power consumption and prolongs the lifespan of the device.

The camera supports the function of strengthening ROI encoding, so as to improve the image quality of key areas under low-band network environment.

The camera supports three simultaneous video streams. It also provides motion detection, privacy mask, video mask alarm, image snapshot, local recording, noise deduction, backlight compensation and WDR functions. Alarm can be associated with email sending and FTP upload.

Compact structure makes it easy to install. Also, this camera provides 3-axis adjustment, easy to adjust the monitoring angle.

V6812IR-H02 series is widely used in normal buildings, supermarkets, hotels, shops, parks, schools, factories, warehouses, underground parking lots and other high-resolution surveillance applications.

Technical specifications

Image Sensor	1/2.8" progressive scan CMOS
S/N Ratio	50dB
Dynamic Range	72dB
Lens	F1.6, f=4mm, 6mm, 8mm, 12mm
Angle of View	83° (f=4mm) / 54° (f=6mm) / 43° (f=8mm) / 28° (f=12mm)
Night Vision Distance	20m (Max)
Camera Angle Adjustment	X (Panning): 0°~360°; Y (Tilting): -75°~75°; Z (Rotating): 0°~360°
Day/Night Functionality	ICR
Sensitivity	0 lux (IR on)
Exposure	Scene mode, manual mode, shutter priority mode
Shutter	Auto/Manual (1/30s~1/8000s)
White Balance	Auto/Manual/Incandescent light/ Cool white fluorescent light/Sun light/Cloudy/Natrium light
WDR	Available
Gain Control	Auto/Manual (maximum: 64X)
Noise Reduction	3D
Mirror	Horizontal/Vertical
Corridor Mode	Available
Image Effect	Brightness, sharpness, hue, contrast, saturation adjustable
Video Compression	H.264 main profile/M-JPEG
Maximum Resolution	1920×1080@H.264/M-JPEG
Optional Resolution	Major stream: 1920×1080, 1280×960, 1280×720 Minor stream: 640×480, 320×240
Maximum Frame Rate	30fps@1920×1080
Data Rate	Variable bit rate; Constant bit rate: Major stream: 256Kbps~10000Kbps; Minor stream: 256Kbps~2000Kbps

Audio	Audio Compression: G711; Audio Port: one way input
Motion Detection	Up to 4 areas
Privacy Mask	Up to 4 masks
ROI	Up to 4 regions
Network Delay	≤180ms
Local Recording	Available
Upgrade Online	Available
Password Protection	Available
Network Port	1 RJ45 10/100M self-adaptive Ethernet port
Analog Video Output	Available via BNC port
Network Protocols	IPv4, IPv6, TCP, UDP, IGMP, DHCP, FTP, SNMP (V3), SMTP, NTP, RTP, RTSP, RTCP, HTTP, HTTPS, TSL, SSL, 802.1X, Qos, PPPoE, DNS, DDNS, ARP, ICMP, UPnP
Power Supply	12VDC
Power Consumption	<5W
Operating Temperature	-4° F ~ 122° F (-20° C ~ 50° C)
Storage Temperature	-4° F ~ 140° F (-20° C ~ 60° C)
Operating Humidity	0~90% RH (non-condensing)
Unit Dimensions (H×Ø)	3.34"×4.71" (84.7mm×119.5mm)
Box Dimensions (L×W×H)	6.65"×6.65"×5.79" (169mm×169mm×147mm)
Unit Weight	1.43lbs. (0.65kg)
Shipping Weight	1.83lbs. (0.83kg)
Certifications and Approval	
Product Certifications	CE/EMC: EN 55022, EN 55024, EN 61000-3-2, EN 61000-3-3 ¹ , FCC: Part 15 Subpart B Class A ² , ISO 9001: 2008

Certificate No.: ¹CTL1406131358-EC; ²CTL1406131358-FC.

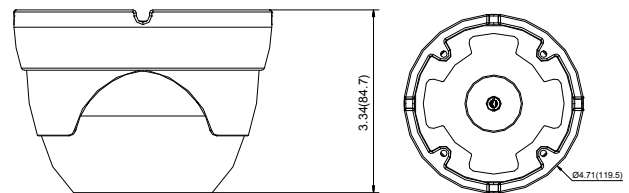
Ordering information

V6812IR-H0265SA	HD Megapixel IR IP minidome camera, Day/night, 1/2.8 inch CMOS sensor, H.264/M-JPEG, indoor, 2.0Mpx, 12VDC, Surface mount, 4mm fixed lens
V6812IR-H0265SB	HD Megapixel IR IP minidome camera, Day/night, 1/2.8 inch CMOS sensor, H.264/M-JPEG, indoor, 2.0Mpx, 12VDC, Surface mount, 6mm fixed lens
V6812IR-H0265SC	HD Megapixel IR IP minidome camera, Day/night, 1/2.8 inch CMOS sensor, H.264/M-JPEG, indoor, 2.0Mpx, 12VDC, Surface mount, 8mm fixed lens
V6812IR-H0265SD	HD Megapixel IR IP minidome camera, Day/night, 1/2.8 inch CMOS sensor, H.264/M-JPEG, indoor, 2.0Mpx, 12VDC, Surface mount, 12mm fixed lens

Optional Product

N3925-12D-1	Exterior power, 100~240VAC input, 12VDC output, 1.5A
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Ordering information



(Unit: inch, in the parentheses is mm)