

IPEG-B40V-IRW1

4MP IR Bullet Network Camera



- 1/3" 4 Megapixel progressive CMOS
- H.265+ & H.265 dual-stream encoding
- 20fps@4M(2688×1520)&25/30fps@3M(2304×1296)
- Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Micro SD card slot, up to 128GB
- 2.8~12mm varifocal lens
- Max IR LEDs length 197 ft
- IP67, PoE

System Overview

The IPEG-B40V-IRW1 is a 4MP bullet camera featuring our latest generation of 1/3" CMOS sensors with H.265 support. It adopts our vandal proof bullet style housing, and supports IR illumination up to ~197'.

The camera also features a motorized, 2.8mm-12mm lens which offers up a 33-94 degree horizontal field of view and 4x optical zoom. The zoom level is fully controllable directly from the camera interface, enabling you to obtain the perfect shot. This makes the camera well suited for exterior applications on commercial as well as residential installations.

Functions

Smart IR Technology

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts the intensity of camera's infrared LEDs to compensate the distance of an object. Smart IR technology prevents IR LEDs from whitening out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 60m (197ft).

Protection (IP67, IK10, wide voltage)

The camera allows for $\pm 30\%$ input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 6KV lightning rating provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67) and impact tests (IK10), the camera is the choice for installation in even the most unforgiving environments

Environmental

Cameras operate in extreme temperature environments, rated for use in temperatures from -40°C to $+60^{\circ}\text{C}$ (-40°F to $+140^{\circ}\text{F}$) with 95% humidity.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

Technical Specification

Camera

Image Sensor	1/3" 4 Megapixel progressive CMOS
Effective Pixels	2560(H)x1440(V)
RAM/ROM	256/16MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s
Minimum Illumination	0.05Lux/F1.8(Color,1/3s,30IRE) 0.3Lux/F1.8(Color,1/30s,30IRE) 0Lux/F1.8(IR on)
S/N Ratio	More than 50dB
IR Distance	Distance up to 60m (197ft)
IR On/Off Control	Auto / Manual
IR LEDs	4

Lens

Lens Type	Motorized			
Mount Type	Board-in			
Focal Length	2.8mm~12mm			
Max. Aperture	F1.8			
Angle of View	H:94°~33°, V:51°~19°			
Optical Zoom	4x			
Focus Control	Fixed			
Close Focus Distance	0.2m			
DORI Distance	Detect	Observe	Recognize	Identify
	216ft	86ft	43ft	21ft
	656ft	262ft	131ft	65ft

Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Pan:0° ~360° ;Tilt:0° ~90° ;Rotation:0° ~360°
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Video

Compression	H.265/H.264/H.264B/MJPEG(Sub Stream)
Streaming Capability	2 Streams
Resolution	4M(2560x1440)/3M(2304x1296)/1080P(1920x1080) /1.3M(1280x960)/720P(1280x720)/VGA(640x480)/ D1(704x576/704x480)/CIF(352x288/352x240)
Frame Rate	Main Stream: 4M (1 ~ 20fps)/3M(1 ~ 25/30fps) Sub Stream: D1(1 ~ 20/25fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 16K~6144K H.265: 6K~ 6144K
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / DWDR
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto / Manual
Noise Reduction	3D DNR

Motion Detection	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Electronic Image Stabilization (EIS)	N/A
Smart IR	Support
Defog	N/A
Digital Zoom	16x
Flip	0°/90°/180°/270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)

Audio

Compression	N/A
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Network

Ethernet	RJ-45 (10/100Base-T)
Protocol	HTTP;HTTPS;TCP;ARP;RTSP;RTP;RTCP;UDP;SMTP; FTP;DHCP;DNS;DDNS;PPPoE;IPv4/V6;QoS;UPnP; NTP;Bonjour;IEEE 802.1X;Multicast;ICMP;IGMP;T LS;SSH
Interoperability	ONVIF, PSIA
Streaming Method	Unicast / Multicast
Max. User Access	10 Users /20 Users
Edge Storage	NAS Local PC for instant recording Micro SD card 128GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	SmartICRSS, DSS
Smart Phone	IOS, Android

Certifications

Certifications	CE: (EN 60950:2000) FCC: FCC Part 15 Subpart B
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Interface

Video Interface	N/A
Audio Interface	N/A
RS485	N/A
Alarm	N/A

Electrical

Power Supply	DC12V, PoE (802.3af)(Class 0)
Power Consumption	DC12V: 1.8W, 8.2W(IR On) PoE: 2.2W, 9.8W(IR On)

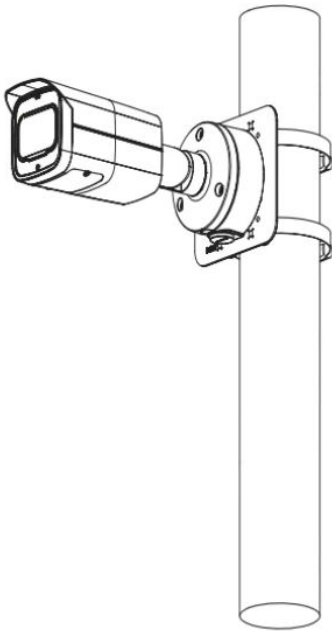
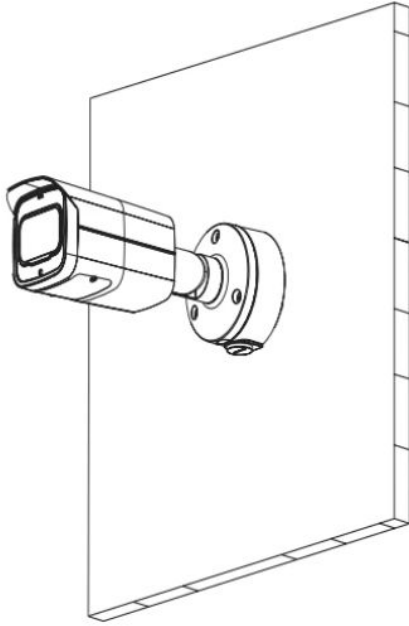
Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Storage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Ingress Protection	IP67

Construction

Casing	Metal
Dimensions	244.1mm×79mm×75.9mm (9.61"×3.11"×2.99")
Net Weight	0.84kg (1.85lb)
Gross Weight	1.05kg (2.31lb)

Accessories



Dimensions (mm/in)

