

IPEG-D40V-IRW1

4MP IR Dome Network Camera



- 1/3" 4 Megapixel progressive CMOS
- H.265 & H.264 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
- 2.7~13.5mm varifocal lens
- Max IR LEDs Length 30m
- IP67, IK10, PoE

System Overview

The IPEG-D40V-IRW1 is a 4MP dome camera featuring our latest generation of 1/3" CMOS sensors. It adopts our vandal proof dome style housing, and supports IR illumination up to ~100'.

The camera also features a motorized, 2.7mm-13.5mm lens which offers up a 28-104 degree horizontal field of view. 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.

Environmental

Cameras operate in extreme temperature environments, rated for use in temperatures from -40° C to +60° C (-40° F to +140° 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.

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 30m (98ft).

Protection (IP67, IK10, wide voltage)

The camera allows for ±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

Technical Specification

Camera

Image Sensor	1/3" 4 Megapixel progressive CMOS
Effective Pixels	2688(H) x1520(V)
RAM/ROM	256/16MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3(4)~1/100000s
Minimum Illumination	0.03Lux/F2.5(Color,1/3s,30IRE) 0.3Lux/F2.5(Color,1/30s,30IRE) 0Lux/F2.5(IR on)
S/N Ratio	More than 50dB
IR Distance	Distance up to 30m (98ft)
IR On/Off Control	Auto / Manual
IR LEDs	2, 850nm Wavelength

Lens

Lens Type	Motorized			
Mount Type	Board-in			
Focal Length	2.7mm~13.5mm			
Max. Aperture	F1.4			
Angle of View	H:104°~28°, V:55°~16°			
Optical Zoom	5x			
Focus Control	Motorized			
Close Focus Distance	0.2m			
DORI Distance	Detect	Observe	Recognize	Identify
	216ft	26ft	13ft	21ft
	656ft	262ft	131ft	65ft

Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Pan:0° ~355° ;Tilt:0° ~75° ;Rotation:0° ~355°
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Video

Compression	H.265/H.264H/MJPEG(Sub Stream)
Streaming Capability	2 Streams
Resolution	(2688x1520)/(2560x1440)/(2304x1296)/1080P(1920x1080)/SXGA(1280x1024)/1.3M(1280x960)/720P(1280x720)/D1(704x576/0704x480)/VGA(640x480)/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; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP;NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP
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) UL:UL60950-1 FCC: FCC Part 15 Subpart B
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Interface

Video Interface	N/A
Audio Interface	1/1 channel In/Out
RS485	N/A
Alarm	1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC

Electrical

Power Supply	DC12V, PoE (802.3af)(Class 0)
Power Consumption	<6.5W

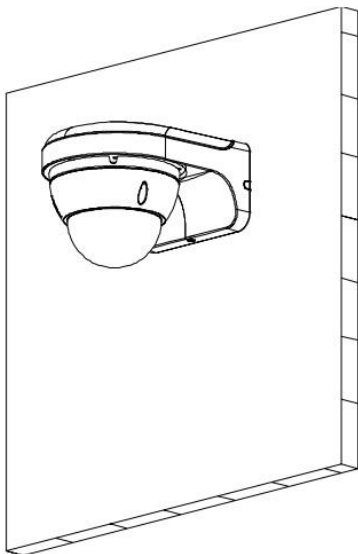
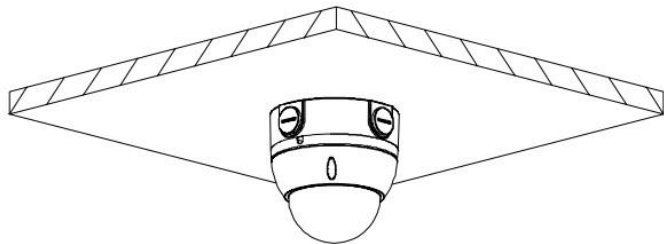
Environmental

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
Vandal Resistance	IK10

Construction

Casing	Metal
Dimensions	122mm×88.9mm(4.80"x3.50")
Net Weight	0.45Kg (0.99lb)
Gross Weight	0.58Kg(1.28lb)

Accessories



Dimensions (mm/in)

