

ICR-D4005-IR

4MP HD 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)
- DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- 2.8 mm fixed lens
- Max IR LEDs Length 30m
- IP67, PoE

System Overview

Your favorite 'turret' style camera, now available in the EDGE lineup - the ICR-D4005-IR.

The ICR-D4005-IR is a 4MP Day/Night camera with a 2.8mm fixed lens. The camera itself supports H265 and H265+ compression, and True Day/Night viewing at up to 30 meters with 0 light. It's IP67 weather rated as well as PoE.

*All Edge series products come with a 3 year limited warranty

Functions

Smart Codec (H.265+ & H.264+)

Smart Codec is the optimized implementation of standard video compression (H.265 & H.264) 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 Codec technology reduces bit rate and storage requirements by up to 70% when compared to the standard video compression.

True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens.

Smart IR

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts to the intensity of camera's infrared LEDs to compensate for the distance of an object. Smart IR technology prevents IR LEDs from whiting 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).

Image Flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

Environmental

With a temperature range of -30 °C to +60 °C (-22 °F to +140 °F), the camera is designed for extreme temperature environments. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications.

Protection (IP67, wide voltage)

The camera allows for ±25% input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 2KV lightning rating provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67).

Interoperability

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

Technical Specification

Camera

Image Sensor	1/3" 4 Megapixel progressive CMOS
Effective Pixels	2688(H)x1520(V)
RAM/ROM	256MB/16MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s
Minimum Illumination`	0.09Lux/F2.0(Color,1/3s,30IRE) 0.5Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)
S/N Ratio	More than 50dB
IR Distance	Up to 30m (98ft)
IR On/Off Control	Auto / Manual
IR LEDs	12

Lens

Lens Type		Fixed			
Mount Type		Board-in			
Focal Length		2.8mm			
Max. Aperture		F2.0			
Angle of View		H: 123° V: 101°			
Optical Zoom		N/A			
Focus Control		Fixed			
Close Focus Distance		0.8m(2.63ft)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	184ft	73.5ft	36.7ft	18.4ft

Pan/Tilt/Rotation

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

IVS	N/A
Advanced Intelligent Functions	N/A

Video

Compression	H.265/H.264H/MJPEG(Sub Stream)
Streaming Capability	2 Streams
Resolution	4M(2688 × 1520) / 3M(2304 × 1296) / 1080P(1920 × 1080) / 720P(1280 × 720) / VGA(640 × 480) / D1(704 × 576 / 704 × 480) / CIF(352 × 288 / 352 × 240
Frame Rate	Main Stream: 4M(1 ~ 20fps)
	Sub Stream: D1(1 ~ 20fps)
	Third Stream: N/A
Bit Rate Control	CBR/VBR
Bit Rate	H.265: 12K~ 6144K H.264: 32K~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	N/A
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;IGMP;TLS;SSH
Interoperability	ONVIF Profile S&G, API
Streaming Method	Unicast / Multicast
Max. User Access	10 Users/20 Users
Edge Storage	NAS Local PC for instant recording
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	<4.8W

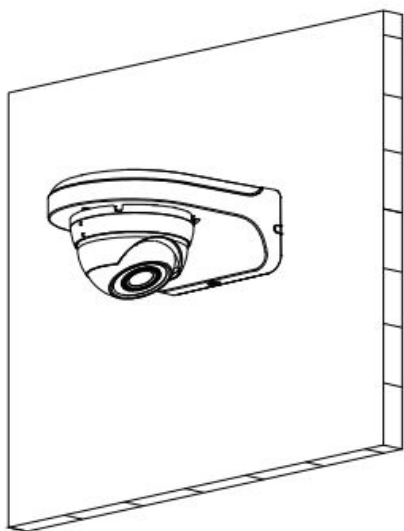
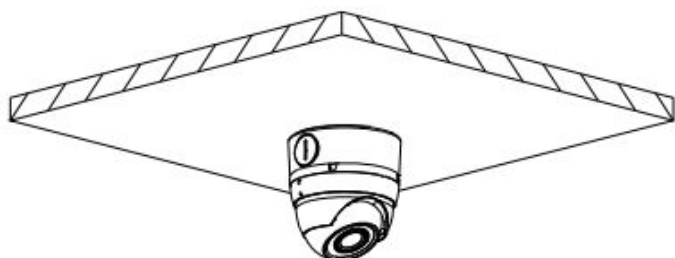
Environmental

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	N/A

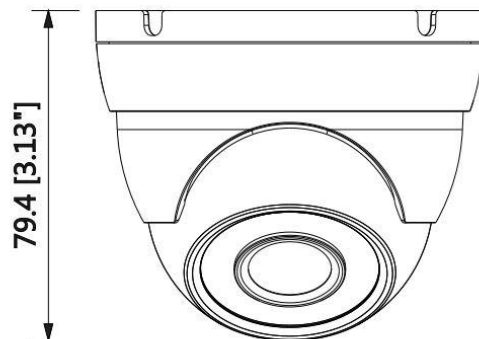
Construction

Casing	Metal+Plastic
Dimensions	109mm×85.5mm(4.29"×3.36")
Net Weight	0.26Kg(0.57lb)
Gross Weight	0.39Kg(0.86lb)

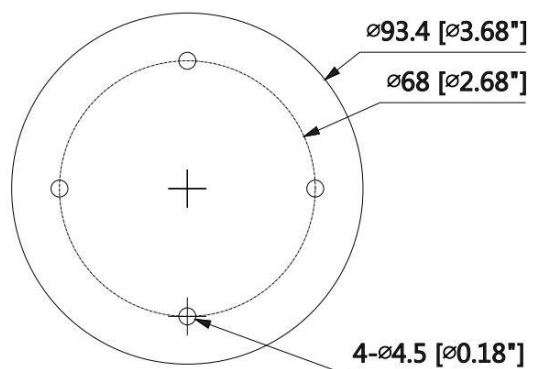
Accessories



Dimensions (mm/in)



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