

ICIP-D4732Z

4MP IR Dome Network Camera



- 1/3" 4 Megapixel progressive CMOS
- H.265 & H.264 dual-stream encoding
- 20fps@4M(2688x1520)&25/30fps@3M(2304x1296)
- WDR(120dB), 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

Bigger is better, at least with image sensors!

The ICIP-D4732Z 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'.

Due to the larger image sensor, this camera supports a large dynamic range (120dB), and is a true WDR camera. On top of the image sensor sits 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

Functions

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

Deliver high quality video without straining the network, Smart H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding technology includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing saving of up to 70% of bandwidth and storage when compared with standard H.265

Wide dynamic range (WDR)

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting conditions that change quickly, true WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

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).

Intelligent Video Analysis (IVS)

With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance. The camera provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as Tripwire analytics, allowing the camera to detect when a predetermined line has been crossed, ideal for business intelligence, workforce optimization, and actionable intelligence.

Protection (IP67, IK10, wide voltage)

The camera allows for $\pm 25\%$ 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) and impact tests (IK10), The camera complies with an IK10 impact rating making it capable of withstanding the equivalent of 5 kg (11.02 lbs) of force dropped from a height of 40 cm (15.75 in.)

Technical Specification

Camera

Image Sensor	1/3" 4 Megapixel progressive CMOS
Effective Pixels	2688(H) x1520(V)
RAM/ROM	512MB/32MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s~1/100000 s
Minimum Illumination	0.03Lux/F1.4(Color,1/3s,30IRE) 0.3Lux/F1.4(Color,1/30s,30IRE) 0Lux/F1.4(IR on)
IR Distance	Distance up to 30m(98ft)
IR On/Off Control	Auto / Manual
IR LEDs	2

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
Close Focus Distance	0.8 m~0.8 m (2.62 ft~2.62 ft)

DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	210 ft	84 ft	42 ft	21 ft
	T	721ft ft	288 ft	144 ft	72 ft

Pan/Tilt/Rotation

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

General IVS	Tripwire; intrusion
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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(1280x 960)/720P(1280x720)/ D1(704x576/704x480)/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.265: 12K ~ 8448Kbps H.264: 32K ~ 10240Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / DWDR
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
Gain Control	Auto / Manual
Noise Reduction	3D DNR

Motion Detection	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Smart IR	Support
Flip	0°/90°/180°/270° (Supports 90°/270° with 2688 x 1520 resolution and lower.)
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	IPv4; IPv6; HTTP; HTTPS; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; 802.1x; Bonjour
Interoperability	;CGI; P2P
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

Audio In	N/A
Audio Out	N/A
Alarm In	N/A
Alarm Out	N/A

Electrical

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

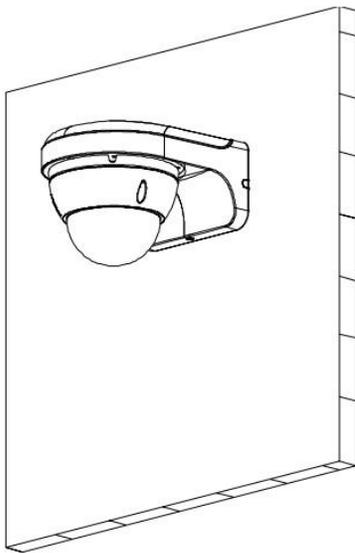
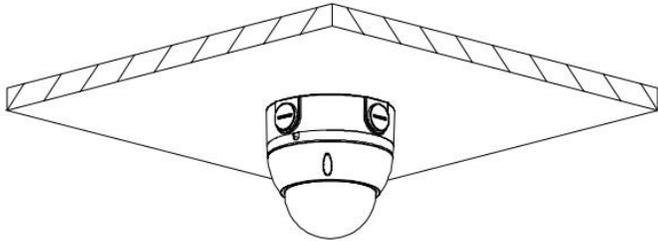
Environmental

Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Storage Conditions	-40° C ~ +60° C (-40° F ~ +140° F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	IK10

Construction

Casing	Metal
Dimensions	122mmx88.9mm(4.80"x3.50")
Net Weight	0.47Kg (1.04lb)
Gross Weight	0.63Kg (1.39lb)

Accessories



Dimensions (mm/in)

