

PS-4X2MP-IP-3MM-IR30

4x2MP Multi-Sensor Panoramic IR Dome Camera

System Overview

This multi sensor IP camera provides flexibility in capturing the viewing area with a 180-degree overview. With Four 2MP sensors working in tandem it allows you a better field of view and helps to limit the number of cameras needed in a particular application. The multi-sensor IP camera allows for control over contrast, backlight compensation, white balance, and resolution control to help create a crystal-clear image in the most challenging lighting conditions.

Features

- Four 1/ 2.8" 2Megapixel progressive STARVIS CMOS
- H.265+/H.265/H.264+/H.264 triple-stream encoding
- Max 25fps@4096x1800
- Supports 180-degree panoramic view
- Day/Night (ICR), 3DNR, AWB, AGC, BLC
- True day/night mechanical cut filter
- Starlight Technology
- Max IR LEDs length up to 98' (30m)
- Micro SD memory, IP67, IK10, PoE+



Functions

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.

With Starlight Technology, the camera is ideal for applications where light conditions are very challenging. Its low light performance delivers usable video with minimal ambient light. Even in extreme low light conditions, Starlight technology is capable of delivering color images in nearly complete darkness.

With Smart IR Technology, 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).

The camera allows for $\pm 25\%$ 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).

This camera has a great temperature range of $-40^{\circ}\text{F} \sim 140^{\circ}\text{F}$ ($-40^{\circ}\text{C} \sim +60^{\circ}\text{C}$). This camera is the choice for installation in even the most unforgiving environments.

With built-in intelligent video analytics, the camera can 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 abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed, ideal for business intelligence, and advanced analytics with Heat Mapping.

Specifications

Camera

Image Sensor	Four 1/ 2.8" 2Megapixel progressive CMOS
Effective Pixels	4096(H) x 1800(V)
RAM/ROM	1024MB / 128MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s
Minimum Illumination	0.007Lux/F2.0 (Color,1/3s,30IRE) 0.05Lux/F2.0 (Color,1/30s,30IRE) 0Lux/F2.0 (IR on)
S/N Ratio	More than 50dB
IR Distance	Distance up to 98' (30m)
IR On/Off Control	Auto/Manual
IR LEDs	6

Lens

Lens Type	Fixed				
Mount Type	Board-in				
Focal Length	3.0mm				
Max. Aperture	F2.0				
Angle of View	H:180°, V:180°				
Focus Control	Fixed				
Close Focus Distance	N/A				
DORI	Lens	Detect	Observe	Recognize	Identify
Distance	3mm	135'	53'	26'	13'

Pan Tilt Rotation

Pan/Tilt/Rotation Range	Pan:0° ~355°; Tilt:0° ~75°; Rotation: +/-20°
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Intelligence

IVS	Tripwire, Intrusion, Object Abandoned/Missing, Heat Map, E-PTZ
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Video

Compression	H.265+/H.265/H.264+/H.264
Streaming Capability	3 Streams
Resolution	4096x1800/3840x1680/2880x1264/1920x832/1280x560/1024x452
Frame Rate	Main Stream: 4096x1800 (1~25fps) Sub Stream: 1024x452 (1~25/30fps) Third Stream: 1920x832 (1~25/30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.265: 9Kbps ~ 9472Kbps H.264: 24Kbps ~ 15616Kbps
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
Digital Zoom	16x
Flip	N/A
Mirror	N/A
Privacy Masking	Off / On (4 Area, Rectangle)

Audio

Compression	G.711a/G.711Mu/AAC/G.726
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Network

Ethernet	RJ-45 (100/1000Base-T)
Protocol	HTTP;TCP;ARP;RTSP;RTP;UDP;RTCP;SMTP;FTP;DHCP;DNS;DDNS;PPPOE;IPv4/v6;SNMP;QoS;UPnP;NTP;Bonjour,802.1x;Multicast;ICMP;IGMP;SNMP
Interoperability	ONVIF, PSIA, CGI
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,Firefox, Safari
Mgt. Software	Smart PSS, DSS, Easy4ip, P2P
Smart Phone	iOS, Android

Certifications

Certifications	CE, UL, FCC
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Drivers

Drivers/Profiles	Control 4
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Interface

Video Interface	1 Port (For adjustment only)
Audio Interface	1/1 channel In/Out
RS485	N/A
Alarm	2 channels In: 5mA 5VDC 2 channel Out: 1A 30VDC / 0.5A 50 VAC

Electrical

Power Supply	AC24V PoE+ (802.3at) (Class 4)
Power Consumption	<25.5W

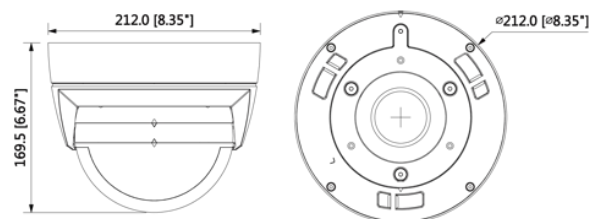
Environmental

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

Construction

Casing	Metal
Dimensions	Φ 8.35" x 6.67" (212mm x 169.5mm)
Net Weight	7.9lb (3.6Kg)
Gross Weight	10.1lb (4.6Kg)

Dimensions



ZM050318 Design and specifications are subject to change without notice