

IPVD-EL5IRF

5Mp Fisheye Vandal Dome w/ Audio



System Overview

This 5MP camera is equipped with a 1.4mm fixed lens with both a 180° horizontal view and a 180° vertical view, making this camera a 360° camera with the fisheye effect. This camera has features that can counteract most lighting effects. Features such as: Back Light Compensation, True Wide Dynamic Range (120dB), and Head Light Compensation. It also has IVS Smart Detection features like Tripwire and Intrusion.

- 1/2.7" 5Megapixel progressive scan STARVIS™ CMOS
- H.265/H.264 triple-stream encoding
- Max 25fps@5M(2592×1944)
- Multiple dewarped Mode
- Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Smart detection



Functions

Smart Codec

Smart Codec is the optimized implementation of standard video compression 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.

Panoramic

Panoramic cameras provide you with a 180 ° or 360 ° full range of view, allowing you to the full area around the camera. However, instead of having your standard view of the camera, the camera's view will be shown to you in a wide strip.

Wide Dynamic Range

When part of an image is extremely dark but another part is so bright you can't see any details, that's dynamic range—the difference in lighting. Cameras with wide dynamic range (WDR) have special software that allows them to balance that lighting for one clear image. This makes them ideal for recording areas like store entrances where the contrast between the sunshine outside and the dim lighting inside can be extremely difficult to record.

Business intelligent analysis (Heatmap)

This fisheye camera also supports advanced intelligent features like heat map besides basic IVS functions. The heat map function is based on a moving object in time for analysis to find the most active area and output the report, which is to provide valuable data support for commercial applications.

Smart IR

Smart IR is a technology built into some security cameras that adjusts the intensity of the camera's infrared LEDs to compensate for the distance of an object so that the infrared does not overexpose the object.

Technical Specification

Camera				
Image Sensor	1/2.7" 5Megapixel progressive scan CMOS			
Effective Pixels	2592(H)x1944(V)			
RAM/ROM	512MB/32MB			
Scanning System	Progressive			
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s			
Minimum Illumination	0.006Lux/F2.0(Color,1/3s,30IRE) 0.02Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)			
IR Distance	Distance up to 10m(33ft)			
IR On/Off Control	Auto/ Manual			
IR LEDs	3			

Lens				
Lens Type	Fixed			
Mount Type	Board-in			
Focal Length	1.4mm			
Max. Aperture	F2.0			
Angle of View	H: 180°, V:180°			
Optical Zoom	N/A			
Aperture type	Fixed			
Close Focus Distance	N/A			
DORI Distance	Detect	Observe	Recognize	Identify
	28m(92ft)	11m(36ft)	6m(19ft)	3m(9ft)

Pan/Tilt/Rotation				
Pan/Tilt/Rotation Range	N/A			

Intelligence				
IVS	Tripwire, Intrusion			
Advanced Intelligent Functions	Heat Map			

Video				
Compression	H.265/H.264/H.264H/MJPEG(Sub Stream)			
Smart Code	Support H.265+/H.264+			
Streaming Capability	3 Streams			
Resolution	5M(2582×1944)/ 3M(2048x1536)/ UXGA(1600x1200)/ 1.3M(1280x960)/ 1080P(1920x1080)/ 720P(1280x720)/ D1(704×576/ VGA(640X480)/ CIF(352×288)			
	Main Stream: 5M(1~25fps)			
	Sub Stream: D1(1 ~ 25/30fps)			
Frame Rate	Third Stream: D1(1 ~ 10/17fps)			
Bit Rate Control	CBR/VBR			
Bit Rate	H.265: 3Kbps~ 40960Kbps H.264: 3Kbps~ 40960Kbps			

Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / WDR(120dB)
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detetion	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	N/A
Mirror	N/A
Privacy Masking	Off / On (4 Area, Rectangle)

Audio	
Compression	G.711a/G.711Mu/PCM

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; RTMP
Interoperability	ONVIF, CGI, API
Streaming Method	Unicast / Multicast
Max. User Access	10 Users/20 Users
Edge Storage	NAS Local PC for instant recording Mirco SD card 128GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	Smart PSS, DSS, DMSS
Smart Phone	IOS, Android

Certifications	
Certifications	CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B

Interface	
Video Interface	N/A
Audio Interface	1/1 channel In/Out, 1 Built-in Mic
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	DC12V: 2.7W 8.2W(IR on) PoE: 3.3W 10.1W(IR on)

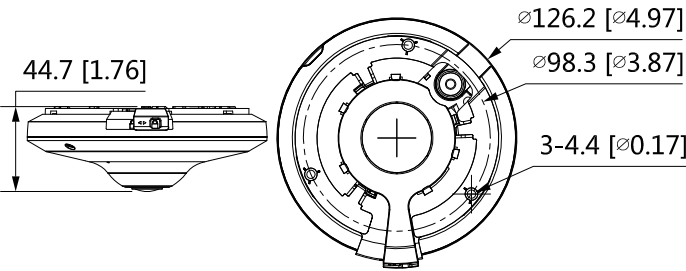
Environmental

Operating Conditions	-10° C ~ +50° C (14° F ~ +122° F) / Less than 95% RH
Storage Conditions	-10° C ~ +50° C (14° F ~ +122° F) / Less than 95% RH
Ingress Protection	N/A
Vandal Resistance	N/A

Construction

Casing	Metal+Plastic
Dimensions	Φ126.2mm×44.7mm(Φ4.9"×1.8")
Net Weight	0.28kg(0.6lb)
Gross Weight	0.41kg(0.9lb)

Dimensions (mm/inch)



Accessories



PM-EL152-E
Pole Mount



WM-EL203W
Wall Mount

Pole Mount	Wall Mount
WM-EL203W + PM-EL152-E	WM-EL203W