

IPVD-ELSX2IR28A

2x 2MP IR Mini Dome Network Camera



System Overview

This camera is a unique vandal dome camera that has two separate 2.8mm lenses that can be turned in various directions and can therefore easily take the place of multiple cameras. Among the features included, True WDR (120dB) allows your video to be optimized so that bright and dark areas are balanced and your video is usable. With the STARVIS™ CMOS Starlight Technology, you'll be able to use these cameras where you don't have optimum lighting conditions.

Functions

Starlight Technology

The starlight standard sensor is just like the retina of your eyes which is sensitive to its ambient light, and the image quality is determined by how much light the sensor could use, together with the camera lens. The starlight camera technology uses larger and highly sensitive sensors, wider aperture and reduces the shutter speed to collect enough light for sharp monochrome/color images, even when human eyes couldn't identify a thing. So the starlight camera can see right through the darkness, even when it is challenging for your eyes.

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.

Intelligent Video System (IVS)

IVS system provides advanced, accurate video analytic for both IP and analog cameras. The IVS engine can track, classify and analyze the behavior of individual or group of objects over long distance to greatly improve parameter security and monitoring efficiency.

- Two 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- H.265&H.264 dual-stream encoding
- 25/30fps@2M(1920×1080)
- Smart Detection supported
- WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- 2.8mm fixed lens
- Max. IR LEDs Length 20m
- Micro SD memory, IP67, IK10, PoE



Environmental

With a temperature range of -30 °C to +60 °C (-22 °F to +140 °F), the camera is designed for extreme temperature environments. The camera complies to an IK10 impact rating making it capable of withstanding the equivalent of 55 kg (120 lbs) of force. Subjected and certified to rigorous dust and water immersion tests, the IP67 rating makes it suitable for demanding outdoor applications. For environments with rain, sleet, snow and fog, an integrated wiper provides users with clear visibility at all times.

Protection

Supporting ±30% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 4KV lightning rating provides protection against the camera and its structure from the effects of lightning.

HEVC (H.265)

High Efficiency Video Coding (HEVC) is a video compression standard which offers double the data compression ratio at the same or higher level of video quality and the same bit rate as the AVC technique. High Efficiency Video Coding supports resolutions up to 8192×4320, which includes 8K ultra-high definition.

Technical Specification					
Camera					
Image Sensor	Two 1/2.8" 2Megapixel progressive scan CMOS				
Effective Pixels	1920(H)x1080(V)				
RAM/ROM	512MB/256MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual, 1/3(4)~1/100000s				
Minimum Illumination	0.009Lux/F2.0(Color,1/3s,30IRE) 0.07Lux/2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)				
S/N Ratio	More than 50dB				
IR Distance	Distance up to 20m (66ft)				
IR On/Off Control	Auto/ Manual				
IR LEDs	10 x 2				

Lens					
Lens Type	Fixed				
Mount Type	Board-in				
Focal Length	2.8mm				
Max. Aperture	F2.0				
Angle of View	H: 110°, V:60°				
Optical Zoom	N/A				
Focus Control	Fixed				
Close Focus Distance	N/A				
	Lens	Detect	Observe	Recognize	Identify
DORI Distance	2.8 mm	41m(134ft)	16m(52ft)	8m(26ft)	4m(13ft)

Pan/Tilt/Rotation	
Pan/Tilt/Rotation Range	Pan:±90°; Tilt:0°~65°; Rotation:0°~360°

Intelligence	
Event Trigger	Motion detection, Video tampering, Scene changing, Network disconnection, Ip address conflict, Illegal access, Storage anomaly
IVS	Tripwire, Intrusion, Object Abandoned/Missing
Advanced Intelligent Functions	Face Detection

Video	
Compression	H.265/H.264H/MJPEG(Sub Stream)
Smart Codec	N/A
Streaming Capability	2 Streams
Resolution	1080P(1920x1080)/1.3M(1280x960)/ 720P(1280x720)/D1(704x576/704x480)/ VGA(640x480)/CIF(352x288/352x240)
Frame Rate	Main Stream: CH1: 1080P (1~25/30fps) CH2: 1080P (1~25/30fps)
	Sub Stream: CH1: D1(1~25/30fps) CH2: D1(1~25/30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 32~10240Kbps H.265: 12~7168Kbps
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 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	G.711a/ G.711Mu/ AAC/ G.726

Network	
Ethernet	-M Model: RJ-45 (10/100Base-T) -M12 Model: M12 D-Coding (10/100Base-T)
Protocol	HTTP;HTTPS;TCP;ARP;RTSP;RTP;UDP;RTCP;SMTP; FTP;DHCP;DNS;DDNS;PPPOE;IPv4/v6;QoS;UPnP; NTP;Bonjour;IEEE 802.1x;Multicast;ICMP;IGMP;S NMP;TLS
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 Mirco SD card 128GB
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	Smart PSS, DSS, DMSS
Smart Phone	IOS, Android

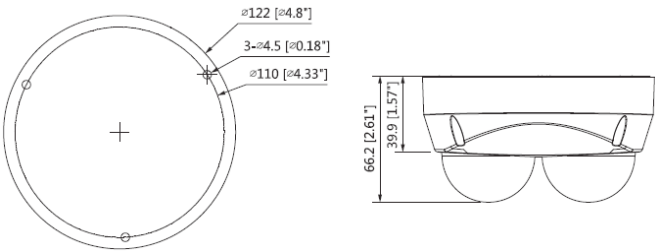
Certifications	
Certifications	CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B E-mark(ECE-Regulation No.10) EN50155(Environment)

Interface	
Video Interface	N/A
Audio Interface	Built-in Mic
RS485	N/A
Alarm	N/A

Electrical	
Power Supply	-M Model: DC12V, PoE (802.3af)(Class 0) -M12 Model: PoE (802.3af)(Class 0)
Power Consumption	DC 12V: 4.32W 6.02W(IR on) PoE: 4.32W 6.02W(IR on)

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

Dimensions (mm/inch)



Accessories

Optional:



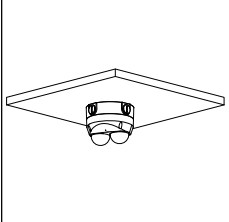
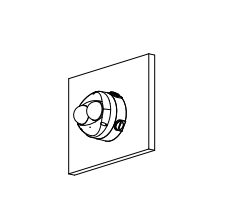
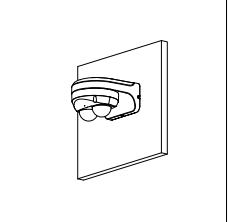
JB-EL137
Junction Box



WM-EL203W
Wall Mount



PM-EL152-E
Pole Mount

Junction Mount	Wall Mount	
JB-EL137	JB-EL137	WM-EL203W
		
Pole Mount		
PM-EL152-E + WM-EL203W	