

IPVD-ELS6IRZA-EP

6MP WDR IR Vandal Dome Network Camera



- 1/2.9" 6Megapixel progressive scan STARVIS™ CMOS
- H.265&H.264 dual-stream encoding
- 20fps@6M(3072×2048),25/30fps@4M(2688×1520)
- Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- 2.7mm ~13.5mm motorized lens
- Max. IR LEDs Length 50m
- Micro SD card memory, IP67,IK10, PoE



System Overview

With upgraded H.265 encoding technology, the Eco-savvy series brings high efficient video compression capability that can save bandwidth and storage. Meanwhile, the series features starlight, smart IR technology and intelligent image analysis techniques. This series supports reminder function, meanwhile fully protected from dust and water, certified to IP67 and vandal resistant to IK10 standards.

Function

ePoE technology

The ePoE technology adopts advanced 2D-PAM3 coding modulation from the physical layer, and realizes full duplex transmission over 800 meters at the speed of 10Mbps, or 300 meters at the speed of 100Mbps via Cat 5 or coaxial cable media. Besides, it supports PoE and PoC power supply technology which has greatly simplified construction and wiring. ePoE technology offers a new way to accomplish long distance transmission between IP camera and network switches. It allows more flexible surveillance system design, improves reliability and saves construction and wiring cost.

Wide Dynamic Range

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.

Protection (IP67, IK10, wide voltage)

The camera allows for $\pm 30\%$ 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), the camera is the choice for installation in even the most unforgiving environments.

Smart H.265+

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.

Intelligent Video System (IVS)

IVS is a built-in video analytic algorithm that delivers intelligent functions to monitor a scene for Tripwire violations, intrusion detection, and abandoned or missing objects. A camera with IVS quickly and accurately responds to monitoring events in a specific area. In addition to scene analytics, the camera supports face detection to quickly capture a face and upload the image to a server. The camera also offers tamper detection by recognizing a dramatic scene change and generating a warning message to inspect the camera.

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Technical Specificatio						Day/Night		Auto(ICR) / Color / B/W	
Camera						BLC Mode		BLC / HLC / WDR	
Image Sensor		1/2.9” 6Megapixel progressive scan CMOS				White Balance		Auto/Natural/Street Lamp/Outdoor/Manual	
Effective Pixels		3072(H)x2048(V)				Gain Control		Auto/Manual	
RAM/ROM		512MB/32MB				Noise Reduction		3D DNR	
Scanning System		Progressive				Motion Detetion		Off / On (4 Zone, Rectangle)	
Electronic Shutter Speed		Auto/Manual, 1/3~1/100000s				Region of Interest		Off / On (4 Zone)	
Minimum Illumination		0.03Lux/F1.4 (Color,1/3s,30IRE) 0.3Lux/F1.4 (Color,1/30s,30IRE) 0Lux/F1.4(IR on)				Electronic Image Stabilization (EIS)		N/A	
S/N Ratio		More than 50dB				Smart IR		Support	
IR Distance		Distance up to 50m (164ft)				Defog		N/A	
IR On/Off Control		Auto/ Manual				Digital Zoom		16x	
IR LEDs		2				Flip		0°/90°/180°/270°	
Lens						Mirror		Off / On	
Lens Type		Motorized/ Auto Iris(DC)				Privacy Masking		Off / On (4 Area, Rectangle)	
Mount Type		Board-in				Audio			
Focal Length		2.7mm~13.5mm				Compression		G.711a/ G.711Mu/ AAC/ G.726	
Max. Aperture		F1.4				Network			
Angle of View		H:91°~27° , V:58°~18°				Ethernet		RJ-45 (10/100Base-T)	
Optical Zoom		5x				Protocol		HTTP; HTTPS; TCP; ARP; RTSP; RTP; UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP;NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP	
Focus Control		Motorized				Interoperability		ONVIF, PSIA, CGI	
Close Focus Distance		0.3m				Streaming Method		Unicast / Multicast	
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Max. User Access		10 Users /20 Users	
	W	79m(259ft)	32m(105ft)	16m(52ft)	8m(41ft)	Edge Storage		NAS Local PC for instant recording Mirco SD card 128GB	
	T	256m(840ft)	102m(334ft)	51m(167ft)	25m(84ft)	Web Viewer		IE, Chrome, Firefox, Safari	
Pan/Tilt/Rotation						Management Software		Smart PSS, DSS, Easy4ip	
Pan/Tilt/Rotation Range		Pan:0°~355°; Tilt:0°~75°; Rotation:0°~355°				Smart Phone		IOS, Android	
Intelligence						Certifications			
IVS		Tripwire, Intrusion, Object Abandoned/Missing				Certifications		CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B	
Advanced Intelligent Functions		Face Detection				Interface			
Video						Video Interface		N/A	
Compression		H.265+/H.265/H.264+/H.264				Audio Interface		1/1 channel In/Out	
Streaming Capability		3 Streams				RS485		N/A	
Resolution		6M(3072×2048)/5M(3072x1728)/ 5M(2592×1944)/ 4M(2688×1520)/ 3M(2048x1536)/ 3M(2304×1296)/ 1080P(1920×1080)/1.3M(1280x960)/ 720P(1280×720)/ D1(704×576/704×480)/ VGA(640×480)/ CIF(352×288/352×240)				Alarm		1 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	
Frame Rate		Main Stream: 6M(1~20fps)/4M(1~25/30fps)				Electrical			
		Sub Stream: D1(1~25/30fps)				Power Supply			
		Third Stream: 720P(1~25/30fps)				Power Consumption			
Bit Rate Control		CBR/VBR				Power Supply		DC12V, PoE(802.3af)(Class 0)	
Bit Rate		H.264: 24K ~ 10240Kbps H.265: 14K ~ 9984Kbps				Power Consumption		<8.5W	

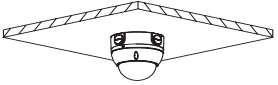
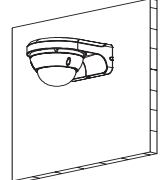
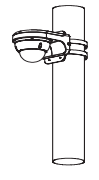
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Environmental

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	IK10

Construction

Casing	Metal
Dimensions	Φ122mm×88.9mm (4.8"×3.5")
Net Weight	0.5kg (1.1lb)
Gross Weight	0.58kg (1.29lb)

Junction Mount	Inceiling Mount
JB-EL137	FM-EL200C
	
Wall Mount	Pole Mount
WM-EL203W	WM-EL203W + PM-EL152-E
	

Accessories

Optional:



JB-EL137
Function Box



WM-EL203W
Wall mount



PM-EL152-E
Pole mount



FM-EL200C
In-ceiling Box

Dimensions (mm/inch)

