

IPOB-ELS2IR12XA-EP

2 MP 5.4-64mm Bullet Camera



- 1/2.8" 2 Megapixel progressive scan STARVIS™ CMOS
- 50/60fps @ 1080 (1920×1080)
- WDR (120dB), Day/Night (ICR), 3DNR, AWB, AGC, BLC
- 5.3mm ~ 64mm 12x zoom lens
- Max. IR LEDs Length 200m (656ft)
- Micro SD memory, IP67, IK10, PoE



System Overview



Functions

ePoE technology

The ePoE technology adopts advanced 2D-PAM3 coding modulation from 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. 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 switch. It allows more flexible surveillance system design, improves reliability and saves construction and wiring cost.

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.

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.

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.

Protection (IP67, IK10, wide voltage)

The camera allows for ±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+ technology is a collection of intelligent encoding algorithms based on H.265. To meet the characteristics of video surveillance, Smart H.265+ adopts some key video encoding techniques can be flexibly added/deleted or combined according to different applications and products. Smart H.265+ codec can effectively enhance video encoding efficiency according to the characteristics of different surveillance environments; furthermore, it can greatly reduce transmission bit rate, storage capacity to improve the overall system.

Technical Specification					
Camera					
Image Sensor	1/2.8" 2Megapixel progressive scan CMOS				
Effective Pixels	1920(H) x 1080(V)				
RAM/ROM	256MB/32MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual, 1/3(4)~1/100000s				
Minimum Illumination	0.006Lux/F1.4 (Color,1/3s,30IRE) 0.05Lux/F1.4 (Color,1/30s,30IRE) 0Lux/F1.4 (IR on)				
S/N Ratio	More than 50dB				
IR Distance	Distance up to 200m (656ft)				
IR On/Off Control	Auto/ Manual				
IR LEDs	4				
Lens					
Lens Type	Motorized/ Auto Iris(HALL)				
Mount Type	Board-in				
Focal Length	5.3mm~64mm				
Max. Aperture	F1.4				
Angle of View	H: 59°~5°, V:34°~3°				
Optical Zoom	12x				
Focus Control	Motorized				
Close Focus Distance	1.5m(4.9ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	73m(236ft)	29m(95ft)	14m(46ft)	7m(23ft)
	T	882m(2893ft)	353m(1158ft)	176m(577ft)	88m(288ft)
Pan/Tilt/Rotation					
Pan/Tilt/Rotation Range	Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°				
Intelligence					
IVS	Tripwire, Intrusion, Object Abandoned/Missing				
Advanced Intelligent Functions	Face Detection				
Video					
Compression	H.265+/H.265/H.264+/H.264				
Streaming Capability	3 Streams				
Resolution	1080P(1920x1080)/1.3M(1280x960)/ 720P(1280x720)/D1(704x576/704x480)/ VGA(640x480)/CIF(352x288/352x240)				
Frame Rate	Main Stream: 1080P(1~50/60fps)				
	Sub Stream: D1(1~50/60fps)				
	Third Stream: 1080P(1~25/30fps)				
Bit Rate Control	CBR/VBR				
Bit Rate	H.264: 24~9472Kbps H.265: 14~5632Kbps				
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	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	RJ-45 (10/100Base-T)				
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				
Interoperability	ONVIF, PSIA, CGI				
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, Easy4ip				
Smart Phone	IOS, Android				
Certifications					
Certifications	CE (EN 60950:2000) UL:UL60950-1 FCC: FCC Part 15 Subpart B				
Interface					
Video Interface	1 Port(For adjustment only)				
Audio Interface	1/1 channel In/Out				
RS485	N/A				
Alarm	2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC				
Electrical					
Power Supply	DC12V, PoE (802.3af)(Class 0)				
Power Consumption	<12.95W				

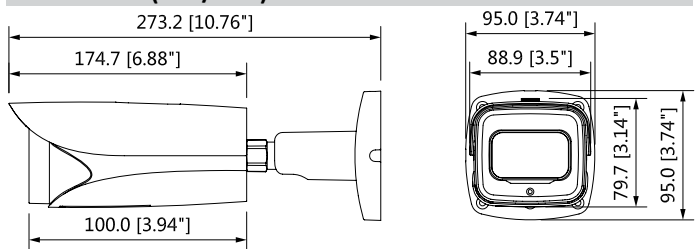
Environmental

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	273.2mm×95.0mm×95.0mm (10.76"×3.74"×3.74")
Net Weight	1.11Kg (2.44lb)
Gross Weight	1.51Kg (3.33lb)

Dimensions (mm/inch)



Accessories

Optional:



JB-EL121
Junction box



PM-EL152-E
Pole Mount

