

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

This bullet camera provides 1080p (1920 × 1080) high definition video, even at long distances. The motorized varifocal function gives it the ability to have a range of 5.3 mm to 64 mm. Features like starlight technology, back light compensation, wide dynamic range (120dB) and head light compensation give this camera the ability to deal with difficult lighting conditions and still be able to produce high quality HD video.

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						Day/Night		Auto(ICR) / Color / B/W	
Camera						BLC Mode		BLC / HLC / WDR(120dB)	
Image Sensor		1/2.8" 2Megapixel progressive scan CMOS				White Balance		Auto/Natural/Street Lamp/Outdoor/Manual	
Effective Pixels		1920(H) x 1080(V)				Gain Control		Auto/Manual	
RAM/ROM		256MB/32MB				Noise Reduction		3D DNR	
Scanning System		Progressive				Motion Detetion		Off / On (4 Zone, Rectangle)	
Electronic Shutter Speed		Auto/Manual, 1/3(4)~1/100000s				Region of Interest		Off / On (4 Zone)	
Minimum Illumination		0.006Lux/F1.4 (Color,1/3s,30IRE) 0.05Lux/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 200m (656ft)				Defog		N/A	
IR On/Off Control		Auto/ Manual				Digital Zoom		16x	
IR LEDs		4				Flip		0°/90°/180°/270°	
Lens						Mirror		Off / On	
Lens Type		Motorized/ Auto Iris(HALL)				Privacy Masking		Off / On (4 Area, Rectangle)	
Mount Type		Board-in				Audio			
Focal Length		5.3mm~64mm				Compression		G.711a/ G.711Mu/ AAC/ G.726	
Max. Aperture		F1.4				Network			
Angle of View		H: 59°~5°, V:34°~3°				Ethernet		RJ-45 (10/100Base-T)	
Optical Zoom		12x				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		1.5m(4.9ft)				Streaming Method		Unicast / Multicast	
DORI Distance	Lens	Detect	Observe	Recognize	Identify	Max. User Access		10 Users /20 Users	
	W	73m(236ft)	29m(95ft)	14m(46ft)	7m(23ft)	Edge Storage		NAS Local PC for instant recording Mirco SD card 128GB	
	T	882m(2893ft)	353m(1158ft)	176m(577ft)	88m(288ft)	Web Viewer		IE, Chrome, Firefox, Safari	
Pan/Tilt/Rotation						Management Software		Smart PSS, DSS, Easy4ip	
Pan/Tilt/Rotation Range		Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360°				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		1 Port(For adjustment only)	
Compression		H.265+/H.265/H.264+/H.264				Audio Interface		1/1 channel In/Out	
Streaming Capability		3 Streams				RS485		N/A	
Resolution		1080P(1920x1080)/1.3M(1280x960)/720P(1280x720)/D1(704x576/704x480)/VGA(640x480)/CIF(352x288/352x240)				Alarm		2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC	
Frame Rate		Main Stream: 1080P(1~50/60fps)				Electrical			
		Sub Stream: D1(1~50/60fps)				Power Supply		DC12V, PoE (802.3af)(Class 0)	
		Third Stream: 1080P(1~25/30fps)				Power Consumption		<12.95W	
Bit Rate Control		CBR/VBR							
Bit Rate		H.264: 24~9472Kbps H.265: 14~5632Kbps							

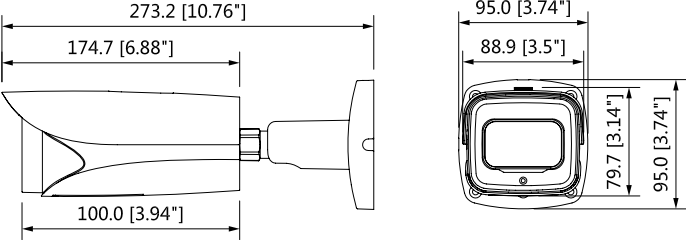
Environmental

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

Junction Mount	Pole Mount
JB-EL121	JB-EL121 + PM-EL152-E