

IPOB-ELE4IR28W

4MP IP Bullet Camera



System Overview

With a 2.8mm lens, this camera packs a huge punch into a smaller size bullet and even has built-in infrared (IR) that will allow you to see up to 98 feet, in little to no lighting. This bullet has an IK10 impact rating that makes it capable of withstanding up to 120 pounds of force as well as an IP67 weather rating, making it capable of working in a broad range of weather conditions. A great power feature is its' PoE (Power over Ethernet) which can be used while connected to a switch or an NVR, or you may use a 12V DC power supply.

Functions

Smart Codec (H.265+ & H.264+)

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.

Intelligent Video Analysis (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 (WDR)

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.

- 1/3" 4Megapixel progressive CMOS
- H.265 & H.264 dual-stream encoding
- WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- Max IR LEDs Length 30m
- IP67, PoE



Smart IR Technology

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.

Protection (IP67, wide voltage)

The camera allows for $\pm 25\%$ input voltage tolerance, suitable for the most unstable conditions for outdoor applications. Its 2KV lightning rating provides effective protection for both the camera and its structure against lightning. Subjected and certified to rigorous dust and immersion tests (IP67), the camera is the choice for installation in even the most unforgiving environments.

Environmental

This camera operates in extreme temperature environments, rated for use in temperatures from -30° C to +60° C (-22° F to +140° F) with 95% humidity.

Image Flip

When choosing the placement for your camera it's nice to know that no matter where it's placed, a shelf, wall or ceiling you'll have easy access to viewing capabilities. Depending on what camera you are using and where it's being placed you may need to invert the camera video feed to make sure when you view the live feed everything is right side up.

Interoperability

The camera conforms to the ONVIF (Open Network Video Interface Forum) specifications, ensuring interoperability between network video products regardless of manufacturer.

Technical Specification

Camera	
Image Sensor	1/3" 4Megapixel progresive CMOS
Effective Pixels	2688(H)x1520(V)
RAM/ROM	512MB/32MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3~1/100000s
Minimum Illumination	0.08Lux/F2.0(Color,1/3s,30IRE) 0.3Lux/F2.0(Color,1/30s,30IRE) 0Lux/F2.0(IR on)
S/N Ratio	More than 50dB
IR Distance	Distance up to 30m(98ft)
IR On/Off Control	Auto/ Manual
IR LEDs	18

Lens

Lens Type	Fixed				
Mount Type	Board-in				
Focal Length	2.8				
Max. Aperture	F2.0/F2.0				
Angle of View	H:104°/87°, V:57°/48°				
Focus Control	Fixed				
Close Focus Distance	N/A				
	Lens	Detect	Observe	Recognize	Identify
DORI Distance	2.8 mm	63m(207ft)	25m(82ft)	13m(43ft)	6m(20ft)

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

Intelligence	
Event Trigger	Motion detection, Video tampering, Scene changing, Network disconnection, Ip address conflict, Illegal access, Storage anomaly
IVS	Tripwire, Intrusion

Video	
Compression	H.265/H.264H/MJPEG(Sub Stream)
Smart Codec	Support H.265+/H.264+
Streaming Capability	2 Streams
Resolution	4M(2688x1520)/3M(2304x1296)/1080P(1920×1080)/720P(1280×720)/VGA(640×480)/D1(704×576/704×480)/CIF(352×288/352×240)
Frame Rate	Main Stream: 4M(1 ~ 20fps)/3M (1 ~ 25/30fps) Sub Stream: D1(1 ~ 25/30fps)
Bit Rate Control	CBR/VBR

Bit Rate	H.265: 12K ~ 8448Kbps H.264: 32K ~ 10240Kbps
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
Digital Zoom	16x
Flip	0°/90°/180°/270°
Mirror	Off / On
Privacy Masking	Off / On (4 Area, Rectangle)

Audio	
Compression	N/A

Network	
Ethernet	RJ-45 (10/100Base-T)
Protocol	HTTP;HTTPS;TCP;ARP;RTSP;RTP;RTCP;UDP;SMTP;FTP;DHCP;DNS;DDNS;PPPoE;IPV4/V6;QoS;UPnP;NTP;Bonjour;IEEE 802.1X;Multicast;ICMP;IGMP;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
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	N/A
RS485	N/A
Alarm	N/A

Electrical	
Power Supply	DC12V, PoE(IEEE 802.3af)(Class 0)
Power Consumption	< 5.5W

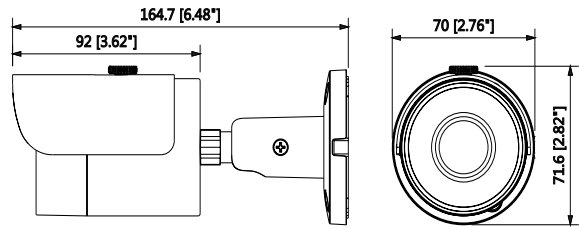
Environmental

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

Construction

Casing	Metal+Plastic
Dimensions	Φ70mm×164.7mm(2.76"x6.49")
Net Weight	0.38Kg(0.84lb)
Gross Weight	0.44Kg(0.97lb)

Dimensions (mm/inch)



Accessories

Optional:



JB-EL122
Junction Box



PM-EL152-E
Pole Mount



CM-EL151
Corner Mount

Corner Mount	Pole Mount
JB-EL122 + CM-EL151	JB-EL122 + PM-EL152-E
Junction Mount	
JB-EL122	