

IPOB-ELE2IR28S

2MP IP Bullet Camera



System Overview

This bullet camera delivers 2MP resolution with a 2.8mm fixed lens. Equipped with 18 IRs, this camera allows you to see up to 98ft in complete darkness adjusting the intensity based on the proximity of the object/person its viewing. Space management isn't a problem, with H.265+ smart codec footage and bandwidth usage can be reduced up to 70 % when compared to previous compression methods.

- 1/2.7" 2Megapixel progressive CMOS
- H.265& H.264 dual-stream encoding
- 25/30fps@1080P(1920×1080)
- DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- 2.8 mm fixed lens
- Max IR LEDs Length 30m
- IP67, PoE



Features

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

Smart Codec technology is a collection of intelligent encoding algorithms based on H.265 & H.264. To meet the characteristics of video surveillance, Smart Codec adopts some key video encoding techniques can be flexibly added/deleted or combined according to different applications and products. Smart 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.

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.

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.

Protection (IP67, wide voltage)

The camera allows for $\pm 25\%$ 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), this camera is the choice for installation in even the most unforgiving environments.

Technical Specification

Camera

Image Sensor	1/2.7" 2Megapixel progresive CMOS
Effective Pixels	1920(H) x1080(V)
RAM/ROM	256MB/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(98)
IR On/Off Control	Auto/ Manual
IR LEDs	18

Lens

Lens Type		Fixed			
Mount Type		Board-in			
Focal Length		2.8 mm			
Max. Aperture		F2.0/F2.0			
Angle of View		H:104°/92°,V:55°/50°			
Focus Control		Fixed			
Close Focus Distance		0.6m(0.9m)			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8 mm	40 (131ft)	16 (52ft)	8 (26ft)	4 (13ft)

PTZ

Pan/Tilt Range	Pan: 0° ~ 360° ; Tilt: 0° ~ 90° ; Rotation: 0° ~ 360°
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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
Resolu on	1080P(1920×1080)/1.3M(1280×960)/ 720P(1280×720)/D1(704×576/704×480)/ VGA(640×480)/CIF(352×288/352×240)
Frame Rate	Main Stream: 1080P(1 ~ 25/30fps)
	Sub Stream: D1(1 ~ 25/30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.265: 12K ~ 6400Kbps H.264: 32K ~ 10240Kbps

Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / DWDR
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	Support
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
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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
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Interface

Video Interface	N/A
Audio Interface	N/A
RS485	N/A
Alarm	N/A

Electrical

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

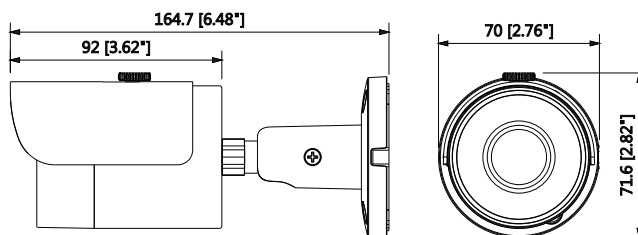
Environmental

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	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-EL130-E
Junction Box



PM-EL152-E
Pole mount



CM-EL151
Corner mount

Corner Mount	Pole Mount
JB-EL130-E + CM-EL151	JB-EL130-E + PM-EL152-E
Junction Mount	
JB-EL130-E	