

IPOD-ELE2IR28

2MP Eco IP Dome Camera



System Overview

This 2MP ONVIF compatible dome camera comes equipped with a 1/2.9 inch progressive scan CMOS sensor and a 2.8mm fixed lens. It is capable of using H.264+ video encoding that compresses the data and decreases bandwidth and storage use up to 70% less than the previous H.264 compression. With Smart IR technology, the built-in LEDs give you “light” up to 98 feet away and adjust automatically to increase or reduce the intensity of the IR (Infrared) based on an object's proximity to the camera.

- 1/2.9” 2Megapixel progressive CMOS
- H.264+ & H.264 dual-stream encoding
- DWDR, Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- 2.8 mm fixed lens
- IP67, PoE



Functions

True Day/Night

A day/night mechanical IR cut filter makes this camera ideal for applications with fluctuating lighting conditions, delivering color images during the day and automatically switching to monochrome as the scene darkens.

Regions of interest

Regions of Interest (ROI) is a user defined feature that allows the operator to monitor specific areas of a scene while still maintaining overall situational awareness of less important areas.

Smart IR

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

Supporting $\pm 10\%$ input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 6KV lightning rating provides protection against the camera and its structure from the effects of lightning.

Interoperability

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

Smart H.264+

Smart H.264+ technology is a collection of intelligent encoding algorithms based on H.264. 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	1/2.9" 2Megapixel progressive CMOS				
Effective Pixels	1920(H) x1080(V)				
RAM/ROM	256MB/16MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual, 1/3(4)~1/100000s				
Minimum Illumination	0.1Lux/F2.0(Color), 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 mm				
Max. Aperture	F2.0/F2.0				
Angle of View	H: 110°, V: 57°				
Focus Control	Fixed				
Close Focus Distance	N/A				
	Lens	Detect	Observe	Recognize	Identify
DORI Distance	2.8 mm	45m(147ft)	18m(59ft)	9m(30ft)	5m(16ft)

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

Video					
Compression	H.264+/H.264				
Streaming Capability	2 Streams				
Resolution	1080P(1920x1080)/720P(1280×720)/D1(704×576/704×480)/CIF(352×288/352×240)				
Frame Rate	2M (1 ~ 25/30fps)				
	D1/CIF(1 ~ 25/30fps)				
Bit Rate Control	CBR/VBR				
Bit Rate	H264:24K ~ 8192Kbps				
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 Detetion	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

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;
Interoperability	ONVIF, PSIA, CGI
Streaming Method	Unicast / Multicast
Max. User Access	10 Users/20 Users
Edge Storage	NAS(Network Attached Storage),Local PC for instant recording
Web Viewer	IE, Chrome, Firefox, Safari
Management Software	Smart PSS, DSS,Easy4ip
Smart Phone	iPhone, iPad, Android Phone

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 (802.3af)(Class 0)
Power Consumption	<5.4W

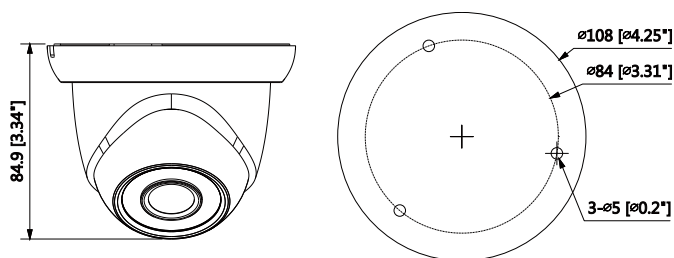
Environmental

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

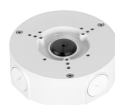
Casing	Metal+Plastic
Dimensions	Φ108mm×84.9mm(4.25"x3.15")
Net Weight	0.23Kg(0.51lb)
Gross Weight	0.387Kg(0.85lb)

Dimensions (mm/inch)



Accessories

Optional:



JB-EL130-E
Junction Box



WM-EL204W
Wall Mount



PM-EL152
Pole Mount

Junction Mount	Pole Mount
JB-EL130-E	WM-EL204W + PM-EL152
Wall Mount	
WM-EL204W	