

OS-I5-EEN8M-AEMST | 8MP SMART EYEBALL



- 1/2.5" 8Megapixel progressive scan STARVIS™ CMOS
- H.265&H.264 dual-stream encoding
- 15fps@4K(3840×2160), 25/30fps@3M(2304×1296)
- Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- 2.7mm ~12mm motorized lens
- Built-in Mic
- Max. IR LEDs Length 50m
- Micro SD card memory, IP67, ePoE



System Overview

Eco-savvy products by upgrading H.265 encoding technology, bringing high efficient video compression. It saves bandwidth and storage, energy-saving design to enhance the monitoring system. Meanwhile, the series offers features such as starlight, Smart IR technology, intelligent image analysis techniques. It provides excellent image quality and intelligent and efficient event reminders. This series provides IP67 weatherproof and IK10 vandal-proof protection feature. Give customers more value.

Functions

ePoE technology

The ePoE technology of Osiris, designed internally, 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. Besides, it supports PoE and PoC power supply technology which has greatly simplified construction and wiring. Osiris ePoE technology offer 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.

4K technology

4K technology as a revolutionary breakthrough in image, which enhance the expressive image of essence, allowing users to experience the best picture quality brought about by the visual feast. For the purposes of 4K surveillance with four times the 1080P resolution, presented to the user with more details. Under the same scenario by raising the pixels, reduce the camera cost.

Wide Dynamic Range

Embedded with industry leading wide dynamic range (WDR) technology, vivid pictures are achieved even in the most intense contrast lighting conditions. For applications with both bright and low lighting conditions that change quickly, True WDR (120dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Intelligent Video System (IVS)

With built-in intelligent video analytics, the camera has the ability to detect and analyze moving objects for improved video surveillance. The camera provides optional standard intelligence at the edge allowing detection of multiple object behaviors such as abandoned or missing objects. IVS also supports Tripwire analytics, allowing the camera to detect when a pre-determined line has been crossed, ideal for business intelligence, and Facial Detection, for searching or identification of individuals.

Protection(IP67, wide voltage)

Supporting $\pm 30\%$ input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 4KV lightning rating provides effective protection for both the camera and its structure against lightning. IP67 is supported by the camera, which makes it suitable for both indoor and outdoor environments.

Smart H.265+

Deliver high quality video without straining the network, Smart H.265+ is the optimized implementation of H.265. The Smart H.265+ encoding technology includes a scene adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction, providing saving of up to 70% of bandwidth and storage when compared with standard H.265.

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Technical Specifications

Camera					
Image Sensor		1/2.5" 8Megapixel progressive scan CMOS			
Effective Pixels		3840(H)x2160(V)			
RAM/ROM		512MB/32MB			
Scanning System		Progressive			
Electronic Shutter Speed		Auto/Manual, 1/3~1/100000s			
Minimum Illumination		0.05Lux/F1.4 (Color, 1/3s, 30IRE) 0.2Lux/F1.4 (Color, 1/30s, 30IRE) 0Lux/F1.4(IR on)			
S/N Ratio		More than 50dB			
IR Distance		Distance up to 50m (164ft)			
IR On/Off Control		Auto / Manual			
IR LEDs		2			
Lens					
Lens Type		Motorized/ Auto Iris (DC)			
Mount Type		Board-in			
Focal Length		2.7mm~12mm			
Max. Aperture		F1.4			
Angle of View		H:110°~40° , V:58°~23°			
Optical Zoom		4x			
Focus Control		Motorized			
Close Focus Distance		0.3m			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	85m	34m	17m	8.5m
	T	228m	91m	46m	23m
Pan/Tilt/Rotation					
Pan/Tilt/Rotation		Pan:0°~360° Tilt:0°~78° Rotation:0°~360°			
Intelligence					
IVS		Tripwire, Intrusion, Object Abandoned/ Missing			
Video					
Compression		H.265+/H.265/H.264+/H.264			
Streaming Capability		3 Streams			
Resolution		4K(3840×2160)/6M(3072×2048)/ 5M(3072x1728)/5M(2592×1944)/ 4M(2688×1520)/ 3M(2048x1536)/ 3M(2304×1296)/1080P(1920×1080) /1.3M(1280x960)/ 720P(1280×720)/ D1(704×576/704×480)/VGA(640×480)/ CIF(352×288/352×240)			

Frame Rate	Main Stream: 4K(1~15fps)/3M(1~25/30fps) Sub Stream: D1(1~25/30fps) Third Stream: 720P(1~25/30fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 24K ~ 10240Kbps H.265: 14K ~ 9984Kbps
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / WDR
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
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 (Network Attached Storage), Local PC for instant recording Micro 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

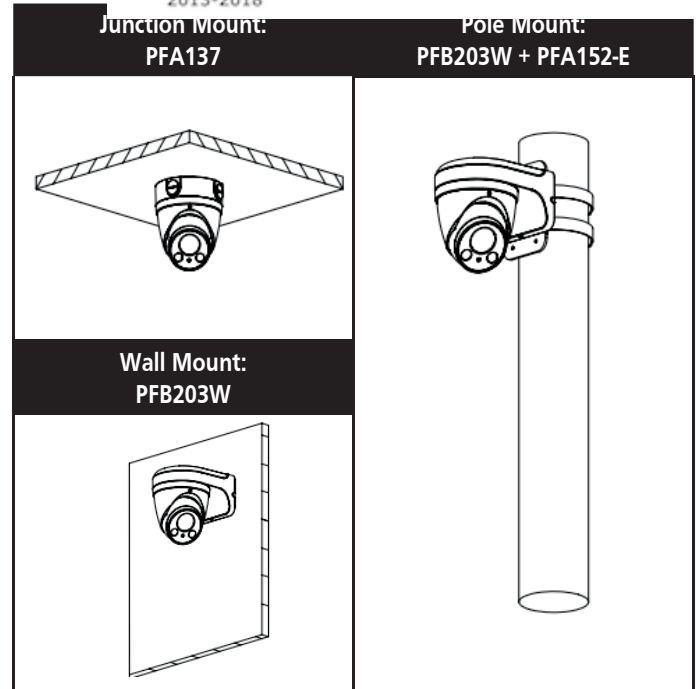
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Technical Specifications

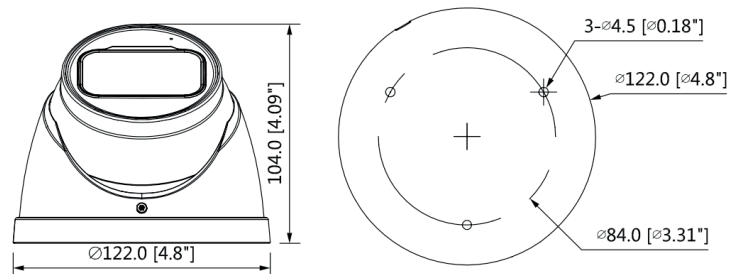
Interface	
Video Interface	N/A
Audio Interface	Built-in Mic
RS485	N/A
Alarm	N/A
Electrical	
Power Supply	DC12V ePoE (802.3af)(Class 0)
Power Consumption	<8.5W
Environmental	
Operating Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Storage Conditions	-30° C ~ +60° C (-22° F ~ +140° F) / Less than 95% RH
Ingress Protection	IP67
Vandal Resistance	N/A
Construction	
Casing	Metal
Dimensions	Φ122mm×104mm
Net Weight	0.6Kg
Gross Weight	0.76Kg

Accessories (optional)

Junction box: PFA137	Wall mount: PFB203W
	
Pole Mount: PFA152-E	LR1002 ePoE Over Coax Converter
	



Dimensions (mm/inch)



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