

OS-I2-EEN5M-ST | 5MP WDR IR Eyeball Network Camera



- 1/2.7" 5Megapixel progressive CMOS
- H.265& H.264 dual-stream encoding
- 20fps@5M(2592×1944)&25/30fps@3M(2304×1296)
- WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- Micro SD card slot, up to 128GB
- 2.7~13.5mm varifocal lens
- Max IR LEDs Length 50m
- IP67, PoE



System Overview

The IR Megapixel Vari-focal camera delivers 5MP resolution with a 2.7mm – 13.5mm varifocal lens. The camera's elegant blend of aesthetics combined with a range of easy mounting solutions provides an excellent choice for a variety of small to mid-size applications at an affordable price.

Functions

Smart H.265+

Smart H.265+ is the optimized implementation of the H.265 codec that uses a scene-adaptive encoding strategy, dynamic GOP, dynamic ROI, flexible multi-frame reference structure and intelligent noise reduction to deliver high-quality video without straining the network. Smart H.265+ technology reduces bit rate and storage requirements by up to 70% when compared to standard H.265 video compression.

Intelligent Video analysis (IVS)

Osiris' camera is equipped with a built-in intelligent analytic algorithm based on video, which can realize intelligent functions like Tripwire and Intrusion, to quickly and accurately respond to monitoring events in specific area. It can enhance monitoring efficiency. In addition, the camera supports intelligent tamper detection, which is to generate warning message via detecting dramatic scene change and to guarantee effective video surveillance.

Wide Dynamic Range (WDR)

The camera achieves vivid images, even in the most intense contrast lighting conditions, using industry-leading wide dynamic range (WDR) technology. For applications with both bright and low lighting condition that change quickly, true WDR (120 dB) optimizes both the bright and dark areas of a scene at the same time to provide usable video.

Smart IR Technology

With IR illumination, detailed images can be captured in low light or total darkness. The camera's Smart IR technology adjusts the intensity of camera's infrared LEDs to compensate the distance of an object.

Smart IR technology prevents IR LEDs from whitening out images as they come closer to the camera. The camera's integrated infrared illumination provides high performance in extreme low-light environments up to 60m (197ft).

Protection (IP67, wide voltage)

The camera allows for $\pm 10\%$ 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

Osiris' cameras operate in extreme temperature environments, rated for use in temperatures from -30°C to $+60^{\circ}\text{C}$ (-22°F to $+140^{\circ}\text{F}$) with 95% humidity.

Image flip

Capturing unnecessary data such as surrounding hallway walls can increase storage requirements without any added value. The image flip feature allows the camera's image to be rotated in 90° increments for better video optimization.

Interoperability

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

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Technical Specifications

Camera					
Image Sensor		1/2.7" 5Megapixel progressive CMOS			
Effective Pixels		2592(H) x1944(V)			
RAM/ROM		512MB/32MB			
Scanning System		Progressive			
Electronic Shutter Speed		Auto/Manual, 1/3(4)~1/100000s			
Minimum Illumination		0.02Lux/F1.6(Color, 1/3s, 30IRE) 0.2Lux/F1.6(Color, 1/30s, 30IRE) 0Lux/F1.6(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			
Mount Type		Board-in			
Focal Length		2.7mm~13.5mm			
Max. Aperture		F1.6			
Angle of View		H:95°~27°, V:70°~20°			
Focus Control		Motorized			
Close Focus Distance		0.3m			
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	64m	26m	13m	6m
	T	222m	89m	44m	22m
Pan/Tilt/Rotation					
Pan/Tilt/Rotation		Pan:0°~360° Tilt:0°~78° Rotation:0°~360°			
Intelligence					
IVS		Tripwire, Intrusion			
Video					
Compression		H.265+/H.265/H.264+/H.264			
Streaming Capability		2 Streams			
Resolution		5M(2592x1944)/4M(2688x1520)/(2560x1440)/2304x1296/1080P(1920x1080)/SXGA(1280x1024)/1.3M(1280x960)/720P(1280x720)/D1(704x576/704x480)/VGA(640x480)CIF(352x288/352x240)			
Frame Rate		5M (1 ~ 20fps)/3M(1 ~ 25/30fps)D1/CIF(1 ~ 20/25fps)			
Bit Rate Control		CBR/VBR			
Bit Rate		H.265: 12K ~ 6400Kbps H.264: 32K ~ 10240Kbps			

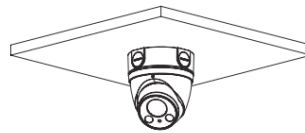
Day/Night	Auto(ICR) / Color / B/W
BLC Mode	BLC / HLC / WDR(120dB)
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	Off / On (4 Zone, Rectangle)
Region of Interest	Off / On (4 Zone)
Electronic Image Stabilization (EIS)	N/A
Smart IR	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;TCP;ARP;RTSP;RTP;UDP;RTCP;SMTP;FTP;DHCP;DNS;DDNS;PPPOE;IPv4/v6;SNMP;QoS;UPnP;NTP
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
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	<8W

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Technical Specifications

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 × 102mm
Net Weight	0.60Kg
Gross Weight	0.71Kg

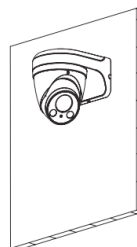
Junction Mount: PFA130-E



Pole Mount: PFB203W + PFA152-E



Wall Mount: PFB203W



Accessories (optional)

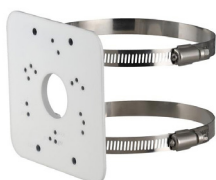
Junction box: PFA130-E



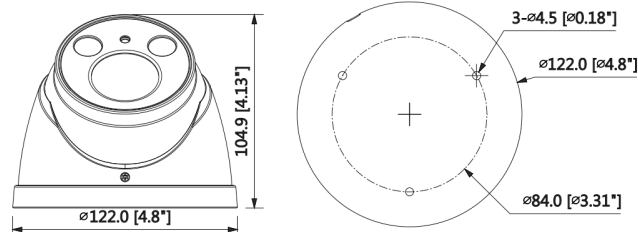
Wall mount: PFB203W



Pole mount: PFA152-E



Dimensions (mm/inch)



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