

## OS-13-EENS5M-MST-B | 5MP Lite AI IR Vari-focal Eyeball Network Camera



- 5MP, 1/2.7" CMOS image sensor, low illuminance, high definition
- Outputs max. 5MP (2592 × 1944)@20 fps
- H.265 codec, high compression rate, low bit rate
- Built-in IR LED, max. IR distance: 40 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire
- Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, ...
- Supports max. 256 G Micro SD card, built-in Mic
- 12V DC/POE power support
- IP67 protection
- SMD



### System Overview

With advanced deep learning algorithm, Osiris Lite AI series network camera supports some intelligent functions, such as privacy protection and smart motion detection. It adopts starlight solution, which makes a better image effect in low illuminance.

### Functions

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

Adopting advanced algorithm of auto stream control according to the environment, Osiris smart encoding technology realizes the higher efficiency than (H.265 & H.264), providing high-quality video, and reducing the cost of storage and transmission.

#### Wide dynamic range (WDR)

Osiris adopts advanced Wide Dynamic Range (WDR) technology. You can get clear details in the environment of strong brightness contrast. In high brightness and back-light environment, bright region and dark region with strong light source, you can also get clear images.

#### Starlight

Osiris Starlight technology mainly applies to the environment of low illumination, and it can provide clear colorful video. Even in the environment of min. illumination, the technology can guarantee the good image effect.

#### Intelligent Video Analysis (IVS)

With advanced video algorithm, Osiris camera supports intelligent detection, such as tripwire and intrusion and so on.

#### Smart Motion Detection (SMD)

With intelligent algorithm, Osiris Smart Motion Detection technology can effectively recognize the target types, flitting the motion detection alarm triggered by non-concerned target types. It can realize effective and accurate alarm.

#### Protection (IP67, wide voltage)

IP67: The camera passes a series of strict test on dust and soak. It has dust-proof function, and the enclosure can works normal after soaking in 1 m deep water for 30 minutes.

Wide voltage: The camera allows  $\pm 30\%$  input voltage tolerance (wide voltage range), and it is widely applied to outdoor environment with instable voltage.

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## Technical Specifications

Camera					
Image Sensor	1/2.7" 5Megapixel progressive CMOS				
Effective Pixels	2592 (H) × 1944 (V)				
RAM/ROM	512MB/128MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s				
Minimum Illumination	0.005 Lux@F1.5				
IR Distance	Distance up to 40 m (131.2 ft)				
IR On/Off Control	Auto / Manual				
IR LEDs	2				
Pan / Tilt / Rotation	Pan: 0°–360° / Tilt: 0°–78° Rotation: 0°–360°				
Lens					
Lens Type	Motorized vari-focal				
Mount Type	Φ14				
Focal Length	2.7 mm–13.5 mm				
Max. Aperture	F1.5				
Field of View	Horizontal: 99°–26°, Vertical: 72° –20° Diagonal: 133° –33°				
Iris Type	Fixed aperture				
Focus Distance	0.8 m (2.6 ft)				
Dori Distance					
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	W	64.0 m (210.0 ft)	25.6 m (84.0 ft)	12.8 m (42.0 ft)	6.4 m (21.0 ft)
	T	222.0 m (728.3 ft)	88.8 m (291.3 ft)	44.4 m (145.7 ft)	22.2 m (72.8 ft)
Artificial Intelligence					
Perimeter Protection	Tripwire; intrusion (Recognition of human and vehicle)				
Intelligent search	Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos.				
Audio					
Compression	G.711a; G.711Mu; G726; AAC				
Built-in MIC	Yes				
Power					
Supply	12V DC/PoE (802.3af)				
Consumption	<8.0W				

Video	
Compression	H.265; H.264; H.264H; H.264B; MJPEG
Smart Codec	Yes
Streaming Cap	3 Streams
Resolution	5M (2592×1944); 4M (2688×1520); 3M (2304×1296); 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 Stream:	Main: (2592 × 1944@1–20 fps), (2688 × 1520 @1–25/30 fps), Sub: D1 (1 fps–20/30 fps); D1 (1 fps–50 fps), Third:1080P (1 fps–17 fps)
Bit Rate Control	H.264: 3Kbps-8192Kbps H.265: 3Kbps-8192Kbps CBR/VBR
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 Red.	3D DNR
Motion	Off / On (4 Zone, Rectangle)
ROI	Yes (4 Zone)
Smart IR	Yes
Mirror	Yes
Image rotation	0°/90°/180°/270° with 1920 × 1080 resolution
Privacy Masking	4 Areas
Network	
Network	RJ-45 (10/100Base-T)
Protocol	HTTP;TCP;ARP;RTSP;UDP;RTCP;SMTP;FTP;DHCP; DNS; DDNS; PPPoE; IPv4/v6; SNMP; QoS; UPnP;NTP
Interoperability	ONVIF; CGI; P2P; Milestone; Genetec
Self-adapt	Yes
User/Host	20 (Total bandwidth: 64 M)
Edge Storage	FTP; Micro SD Card; Osiris Cloud; NAS
Web Viewer	IE (8,9,11), Chrome, Firefox
Software	Smart PSS, DSS, DMSS
Smart Phone	IOS, Android
Certification	
Certifications	CE-LVD: EN60950-1, CE-EMC: Electromagnetic Compatibility Directive 2014/30/EU FCC: 47 CFR FCC Part 15, Subpart B, UL/CUL: UL60950-1 CAN/CSA C22.2 No.60950-1-07

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## Technical Specifications

### Environment conditions

Operating	-30°C to +60°C (-22°F to +140°F)/less than ≤95%
Storage	-40°C to +60°C (-40°F to +140°F)
Protection	IP67

### Construction

Casing	Metal
Dimensions	108.3 mm × Φ122 mm (4.3" × Φ4.8")
Net Weight	685g (1.5 lb)
Gross Weight	828 g (1.8 lb)

## Accessories (optional)

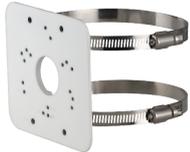
**Junction Box:**  
PFA130-E



**Wall Mount:**  
PFB203W



**Pole Mount:**  
PFA152-E



**Coax extender:**  
LR1002-1ET/1EC



**Ceiling Mount:**  
PFB220C



**Mount Adaptor:**  
PFA106



**Junction Mount**



**Pole Mount**



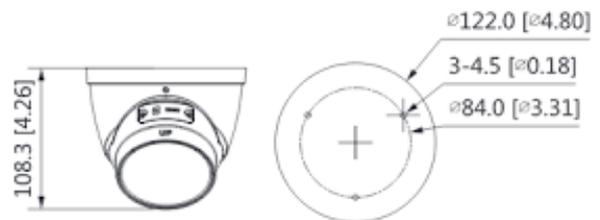
**Wall Mount**



**Ceiling Mount**



## Dimensions



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