

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;RTP;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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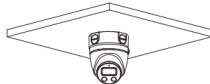

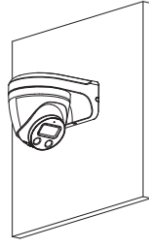
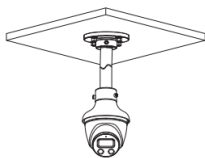
Technical Specifications

| 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



* The information contained in this document (photos, drawings, dimensions, specifications) may be subject to change without prior notice.

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