# OS-I4-BEN4F-AEST-0360 | 4MP WDR IR Mini Bullet Network Camera

- 1/3″ 4Megapixel progressive scan CMOS
- H.265 & H.264 triple-stream encoding
- 25/30fps@4M(2688×1520)
- Smart Detection supported
- WDR(120dB), Day/Night(ICR), 3DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS
- 3.6mm fixed lens
- Max. IR LEDs Length 60m
- Micro SD memory, IP67, PoE

ePoE

4Mp   H.265+   WDR   Temperature   IP67   Vandal-proof

## System Overview

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 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.

### 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.

### Wide Dynamic Range
Embedded with industry leading wide dynamic range (WDR) technology, vivid picutures 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
Supporting ±30% input voltage tolerance, this camera suits even the most unstable conditions for outdoor applications. Its 4KV lightning rating provides protectection against the camera and its structure from the effects of lightning.

### Environmental
Osiris cameras operate in extreme temperature environments, rated for use in temperatures from -30° C to +60° C (-22° F to +140° F) with 95% humidity.

### 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 | 1/3″ 4Megapixel progressive scan CMOS |
| Max. Resolution | 2688(H)x1520(V) |
| ROM/ROM | 512MB/32MB |
| Scanning System | Progressive |
| Electronic Shutter Speed | Auto/Manual, 1/3~1/100000s |
| Min. Illumination | 0.06Lux/F1.6( Color, 1/3s, 30IRE) 0.4Lux/F1.6( Color, 1/30s, 30IRE) 0Lux/F1.6(IR on) |
| S/N Ratio | More than 50dB |
| IR Distance | Distance up to 60m (197ft) |
| IR On/Off Control | Auto / Manual |
| IR LEDs | 4 |

### Lens

| | |
|---|---|
| Lens Type | Fixed |
| Mount Type | Board-in |
| Focal Length | 3.6mm |
| Max. Aperture | F1.6 |
| Angle of View | H: 83° (55°), V: 45° (31°) |
| Focus Control | Fixed |
| Close Focus Distance | 1.5m |

| DORI Distance | Lens | Detect | Observe | Recognize | Identify |
|---|---|---|---|---|---|
| | W | 80 m | 32 m | 16 m | 8 m |
| | T | 120 m | 48 m | 24 m | 12 m |

### Pan/Tilt/Rotation

| | |
|---|---|
| Pan/Tilt/Rotation | Pan:0˚~360˚ Tilt:0˚~90˚ Rotation:0˚~360˚ |

### Intelligence

| | |
|---|---|
| IVS | Tripwire, Intrusion, Object Abandoned/ Missing |
| Advanced Intelligent Functions | Face Detection |

### Video

| | |
|---|---|
| Compression | H.265+/H.265/H.264+/H.264 |
| Streaming Capability | 3 Streams |
| Resolution | 4M(2688×1520)/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

| | |
|---|---|
| Frame Rate | Main Stream: 4M(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 | BLC / HLC / WDR(120dB) |
| Gain Control | Auto/Manual |
| White Balance | Auto/Natural/Street Lamp/Outdoor/ Manual |
| Noise Reduction | 3D DNR |
| Motion Detection | Off / On (4 Zone, Rectangle) |
| Region of Interest (RoI) | 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

| | |
|---|---|
| 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 Local PC for instant recording Mirco SD card 128GB |
| Web Viewer | IE, Chrome, Firefox, Safari |
| Management Software | Smart PSS, DSS, Easy4ip |
| Smart Phone | IOS, Android |

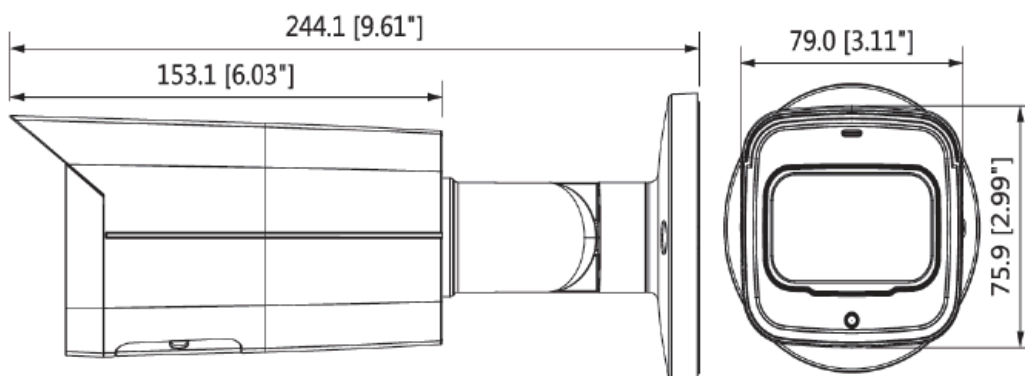## OS-I4-BEN4F-AEST-0360 | 4MP WDR IR Mini Bullet Network Camera

### Technical Specifications (2)

| Certifications | |
|---|---|
| Certifications | CE (EN 60950:2000)<br>UL:UL60950-1<br>FCC: FCC Part 15 Subpart B |

| Interface | |
|---|---|
| Video Interface | N/A |
| Audio Interface | 1/1 channel In/Out |
| RS485 | N/A |
| Alarm | 1 channel In: 5mA 5VDC<br>1 channel Out: 300mA 12VDC |

| Electrical | |
|---|---|
| Power Supply | DC12V, PoE(802.3af)(Class 0) |
| Power Consumption | <11W |

| Environmental | |
|---|---|
| Operating Conditions | -30° C ~ +60° C (-22° F ~ +140° F) /<br>Less than 95% RH |
| Storage Conditions | -30° C ~ +60° C (-22° F ~ +140° F) /<br>Less than 95% RH |
| Ingress Protection | IP67 |
| Vandal Resistance | N/A |

| Construction | |
|---|---|
| Casing | Metal |
| Dimensions | 244.1mm×79.0mm×75.9mm |
| Net Weight | 0.815kg (1.80lb) |
| Gross Weight | 1.08kg (2.38lb) |

### Accessories

| Junction Box:<br>PFA135 | Pole Mount:<br>PFA152-E |
|---|---|
|  |  |

### Dimensions (mm/inch)



244.1 [9.61"]
153.1 [6.03"]
79.0 [3.11"]
75.9 [2.99"]