

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















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 $\pm 30\%$ 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 $^{\circ}$ C to +60 $^{\circ}$ C (-22 $^{\circ}$ F to +140 $^{\circ}$ 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

1/3" 4Me	1/3" 4Megapixel progressive scan CMOS		
2688(H)x1	2688(H)x1520(V)		
512MB/32MB			
Progressive			
Auto/Manual, 1/3~1/100000s			
0.06Lux/F1.6(Color, 1/3s, 30IRE) 0.4Lux/F1.6(Color, 1/30s, 30IRE) 0Lux/F1.6(IR on)			
More than	More than 50dB		
Distance u	Distance up to 60m (197ft)		
Auto / Ma	Auto / Manual		
4			
Fixed			
Board-in			
3.6mm			
F1.6			
H: 83° (55			
Fixed			
1.5m			
Detect	Observe	Recognize	Identify
80 m	32 m	16 m	8 m
120 m	48 m	24 m	12 m
Pan:0°~3	360°		
Rotation	:0°~360°		
Tripwire, Intrusion, Object Abandoned/ Missing			
Face Detection			
H.265+/H	H.265+/H.265/H.264+/H.264		
3 Streams	3 Streams		
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)			
,	CMOS 2688(H)x' 512MB/32 Progressiv Auto/Man 0.06Lux/F 0.4Lux/F1.6 More than Distance u Auto / Ma 4 Fixed Board-in 3.6mm F1.6 H: 83° (55 Fixed 1.5m Detect 80 m 120 m Pan:0°~3 Tilt:0°~9 Rotation Tripwire, In Missing Face Detect H.265+/H 3 Streams 4M(2688; 1080P(19720P(128) D1(704×5) VGA(640) VGA(640)	CMOS 2688(H)x1520(V) 512MB/32MB Progressive Auto/Manual, 1/3~1/ 0.06Lux/F1.6(Color, 1/2 0.4Lux/F1.6(IR on) More than 50dB Distance up to 60m (Auto / Manual 4 Fixed Board-in 3.6mm F1.6 H: 83° (55°), V: 45° (3) Fixed 1.5m Detect Observe 80 m 32 m 120 m 48 m Pan:0°~360° Tilt:0°~90° Rotation:0°~360° Tripwire, Intrusion, Obmissing Face Detection H.265+/H.265/H.264/ 3 Streams 4M(2688×1520)/3Minosop(1920×1080)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×720)/D1(704×576/704×48)/720P(1280×480)/720P(1	CMOS 2688(H)x1520(V) 512MB/32MB Progressive Auto/Manual, 1/3~1/100000s 0.06Lux/F1.6(Color, 1/3s, 30IRE) 0.4Lux/F1.6(IR on) More than 50dB Distance up to 60m (197ft) Auto / Manual 4 Fixed Board-in 3.6mm F1.6 H: 83° (55°), V: 45° (31°) Fixed 1.5m Detect Observe Recognize 80 m 32 m 16 m 120 m 48 m 24 m Pan:0°~360° Tilt:0°~90° Rotation:0°~360° Tripwire, Intrusion, Object Abando Missing Face Detection H.265+/H.265/H.264+/H.264 3 Streams 4M(2688×1520)/3M(2304×1296) 1080P(1920×1080)/1.3M(1280x 720P(1280×720)/ D1(704×576/704×480)/ VGA(640×480)/ VGA(640×480)/

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 (Rol) Electronic Image Stabilization (EIS) Smart IR Support Defog N/A Digital Zoom 16x Flip 0°/90°/180°/270° Mirror Off / On (4 Area, Rectangle) Audio Audio 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/N6; QoS; UPnP;NTP; Bonjour; 802.1x; Multicast; ICMP; IGMP; SNMP Interoperability ONVIF, PSIA, CGI Streaming Method Max. User Access I 0 Users /20 Users Edge Storage NAS Local PC for instant recording Mirco SD card 128GB Web Viewer IE, Chrome, Firefox, Safari Management Software Smart Phone IOS Android			
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 (Rol) Electronic Image Stabilization (EIS) 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; PPOE; IPV4/NG; 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	Frame Rate	Sub Stream: D1(1~25/30fps)	
Bit Rate		Third Stream: 720P(1~25/30fps)	
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 (Rol) Electronic Image Stabilization (EIS) Smart IR Support Defog N/A Digital Zoom 16x Flip 0°/90°/180°/270° Mirror 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; PPOG; IPV4/vG; 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			
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 (Rol)	Bit Rate		
Gain Control White Balance Auto/Natural/Street Lamp/Outdoor/ Manual Noise Reduction 3D DNR Motion Detection Region of Interest (Rol) Electronic Image Stabilization (EIS) Smart IR Support Defog N/A Digital Zoom 16x Flip 0°/90°/180°/270° Mirror Off / On (4 Area, Rectangle) Audio Audio Compression Fortiocol 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 Max. User Access Edge Storage NAS Local PC for instant recording Mirco SD card 128GB Web Viewer IE, Chrome, Firefox, Safari Management Soft- ware	Day/Night	Auto(ICR) / Color / B/W	
White Balance Auto/Natural/Street Lamp/Outdoor/ Manual Noise Reduction 3D DNR Motion Detection Off / On (4 Zone, Rectangle) Region of Interest (Rol) Electronic Image Stabilization (EIS) 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 Audio Compression Retwork 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 Edge Storage NAS Local PC for instant recording Mirco SD card 128GB Web Viewer IE, Chrome, Firefox, Safari Management Software	BLC	BLC / HLC / WDR(120dB)	
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Digital Zoom Flip O°/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 IR	Support	
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Privacy Masking 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 I 0 Users /20 Users Edge Storage NAS Local PC for instant recording Mirco SD card 128GB Web Viewer IE, Chrome, Firefox, Safari Management Software	Flip	0°/90°/180°/270°	
Audio Compression 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 I0 Users /20 Users Edge Storage NAS Local PC for instant recording Mirco SD card 128GB Web Viewer IE, Chrome, Firefox, Safari Management Software	Mirror	Off / On	
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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	Audio Compression	G.711a/ G.711Mu/ AAC/ G.726	
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	Network		
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	Ethernet	RJ-45 (10/100Base-T)	
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	Protocol	UDP; SMTP; FTP; DHCP; DNS; DDNS; PPPOE; IPv4/v6; QoS; UPnP;NTP; Bonjour;	
Max. User Access Edge Storage NAS Local PC for instant recording Mirco SD card 128GB Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS, Easy4ip	Interoperability	ONVIF, PSIA, CGI	
Edge Storage NAS Local PC for instant recording Mirco SD card 128GB Web Viewer IE, Chrome, Firefox, Safari Management Soft- ware Smart PSS, DSS, Easy4ip	Streaming Method	Unicast / Multicast	
Local PC for instant recording Mirco SD card 128GB Web Viewer IE, Chrome, Firefox, Safari Management Software Smart PSS, DSS, Easy4ip	Max. User Access	10 Users /20 Users	
Management Software Smart PSS, DSS, Easy4ip	Edge Storage	Local PC for instant recording	
ware	Web Viewer	IE, Chrome, Firefox, Safari	
Smart Phone IOS Android	_	Smart PSS, DSS, Easy4ip	
Smart Hone 105, Anarola	Smart Phone	IOS, Android	



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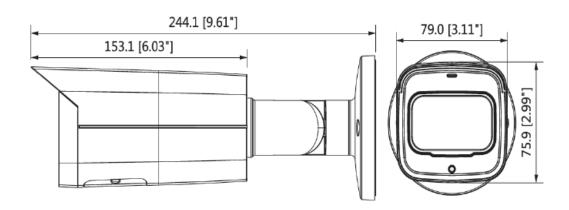
Technical Specifications (2)

Certifications	
Certifications	CE (EN 60950:2000) UL:UL60950-1 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 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) / 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	244.1mm×79.0mm×75.9mm
Net Weight	0.815kg (1.80lb)
Gross Weight	1.08kg (2.38lb)

Accessories

Junction Box:	Pole Mount:	
PFA135	PFA152-E	

Dimensions (mm/inch)



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