

4K Ultra HD Vandal-resistant Fisheye Fixed Dome Camera

IPC868ER-VF18-B



Key Features



Optics

- Ultra wide angle lens, 360° panoramic image
- Embedded infrared light, 360° fill-in light, up to 10m (33ft) IR distance
- 2D/3D DNR (Digital Noise Reduction)

Compression

- Max 4000*3000 resolution
- Ultra265, H.265, H.264, MJPEG
- Built-in microphone & speaker, two-way talk supported
- ROI(Region of Interest)
- Distortion correction supported

Network

- ONVIF Conformance

Structure

- Support PoE power supply
- Wide temperature range: -30°C ~ 60°C (-22°F ~ 140°F)
- Wide voltage range of ±25%
- IK10
- IP66

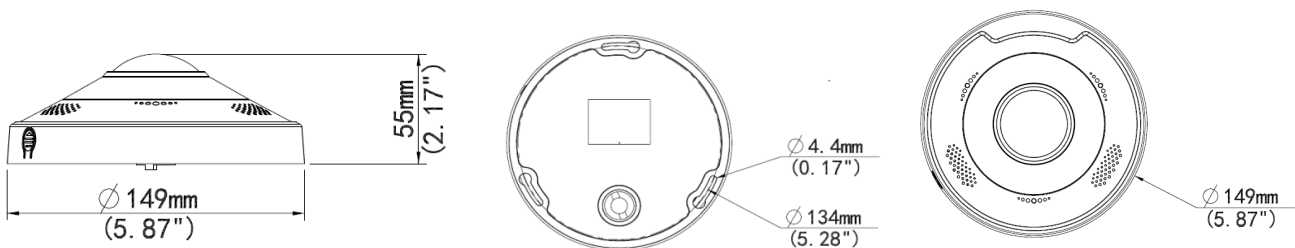
Specifications

IPC868ER-VF18-B					
Camera					
Image sensor	1/1.7", 12.0 megapixel, progressive scan, CMOS				
Lens	1.8mm@F2.4				
DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	1.8	43.8	17.5	8.8	4.4
Angle of View	360°				
Shutter	Auto/Manual, shutter time: 1 ~ 1/100000s				
Minimum Illumination	Colour: 0.05Lux (F2.4, AGC ON) 0Lux with IR				
Day / Night	IR-cut filter for day & night function				
S/N Ratio	>52dB				
IR Range	Up to 10m (33ft)				
wavelength	850nm				
IR On/Off Control	Auto/Manual				
Defog	Digital Defog				
WDR	DWDR				
Video					
Compression	Ultra265, H.265, H.264, MJPEG				
H.264 code profile	Baseline profile, Main Profile, High Profile				
Fisheye Frame Rate	Main Stream: 15fps (4000*3000, 3000*3000); 25fps (2560*2560); Sub Stream: 15fps (2000*1500, 2000*2000); 25fps (2000*2000); Third Stream: 15fps (720*576, 320*288)				
Panorama	25fps (3000*2000); 15fps (4000*3000, 3000*2000, 3000*1500)				
Frame Rate PTZ	15fps (1920*1080)				
Video Bit Rate	128 Kbps~16 Mbps				
ROI	Up to 8 areas				
OSD	Up to 8 OSDs				

Privacy Mask	Up to 8 areas
Motion Detection	Up to 4 areas
Image	
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2
Digital noise reduction	2D/3D DNR
Smart IR	Support
Flip	Normal/Flip Vertical/ Flip Horizontal/180°
Dewarping	N/A
HLC	N/A
BLC	Support
Smart	
Behavior Detection	Intrusion, cross line, motion detection
Intrusion	Enter and loiter in a pre-defined virtual region
cross line	Cross a pre-defined virtual line
motion detection	Moving within a pre-defined virtual region
Recognition	Audio detection
Statistical Analysis	heat map
General Function	Watermark, IP Address Filtering, Tampering Alarm, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication
Audio	
Audio Compression	G.711
Two-way audio	Supported
Suppression	Supported
Sampling Rate	8KHZ
Storage	
Edge Storage	Micro SD, up to 256GB
Network Storage	ANR, NAS(NFS)
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API
Client	EZStation EZView EZLive
Web Browser	Plug-in required live view: IE9+, Chrome 41 and below, Firefox 52 and below
	Plug-in free live view: Chrome 57.0+, Firefox 58.0+, Edge 16+, Safari 11+
Live View Display	
Mount Type	Support table, wall, and ceiling
Display Mode	Support 10 display modes in total (including display modes of mount types and decoding modes): Display Mode: Original Image, Fisheye+4PTZ, Panoramic Preview Mode: Original Image, 360° Panoramic+1PTZ, 180° Panoramic, Fisheye+3PTZ, Fisheye+4PTZ, 360° Panoramic+6PTZ, Fisheye+8PTZ
Interface	
Audio I/O	Audio interface
	Input: impedance 35kΩ; amplitude 2V [p-p]
	Output: impedance 600Ω; amplitude 2V [p-p]

Alarm I/O	2/1
	Multiple Alarm linkage editable
Built-in Mic	Supported
Built-in Speaker	Supported
Serial	1 channel RS485 interface
Network	1 RJ45 10M/100M Base-TX Auto-adaptive Ethernet
Video Output	1 BNC, impedance 75Ω; amplitude 1V [p-p]
Certifications	
Certifications	CE: EN 60950-1 UL: UL60950-1 FCC: FCC Part 15
General	
Power	DC 12V±25%, PoE (IEEE 802.3af)
	Power consumption: Max 9.6W
Dimensions (Ø x H)	Φ149 x 51.5mm (Φ5.87" x 2.0")
Net Weight	0.5kg (1.1lb)
Material	Shield: PC Body: metal Bottom plate: metal decorative cover: plastic
Working Environment	-35°C ~ 60°C (-31°F ~ 140°F), Humidity: ≤95% RH
Storage Environment	-35°C ~ 60°C (-31°F ~ 140°F), Humidity: ≤95% RH
surge protection	6kv
Ingress Protection	IP66
Vandal Resistant	IK10
Reset Button	Supported

Dimensions



Accessories

TR-JB04-D-IN

TR-A01-IN

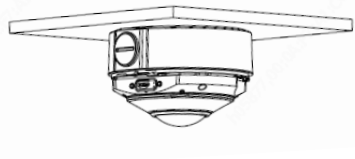
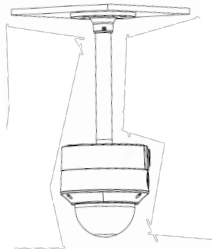
TR-SE24-IN

TR-SE24-A-IN



TR-CM24-IN



Junction box	Indoor pendent mount
TR-JB04-D-IN+TR-A01-IN	TR-JB04-D-IN+TR-A01-IN+ TR-SE24-IN(TR-SE24-A-IN)+ TR-CM24-IN
	

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*Product specifications and availability are subject to change without notice.