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 10 m (33 ft) 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
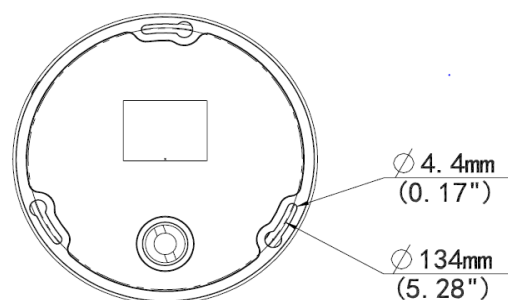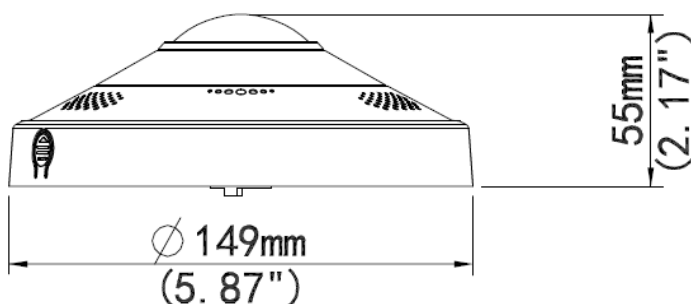- Wide temperature range: -30°C to 60°C (-22°F to 140°F)

- Wide voltage range of ±25%

- IK10

- IP66

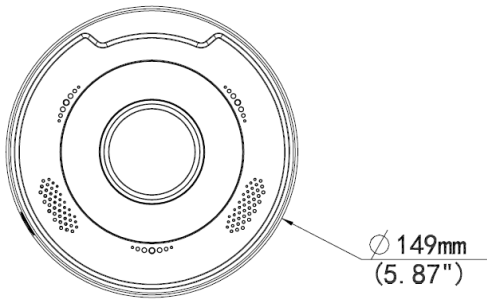# Specifications

	IPC868ER-VF18-B
Camera	
Image sensorq	1/1.7", progressive scan,12.0 megapixel, CMOS
Lens	1.8mm@ F2.4
Shutter	Auto/Manual, shutter time：1/6 s ~1/100000 s
Minimum Illumination	Colour: 0.01 Lux (F2.4, AGC ON) 0 Lux with IR
Day / Night	IR-cut filter for day & night function
Digital noise reduction	2D/3D DNR
S/N Ratio	>52dB
IR Range	Up to 10 m (33 ft)
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 :15 fps(4000×3000, 3000×3000), 25 fps(2560×2560); Sub Stream: 15 fps(2000×1500, 2000×2000), 25 fps(2000×2000); Third Stream: 15 fps(720×576, 320×288)
Panorama	25 fps(3000×2000); 15 fps(4000×3000,3000×2000,3000×1500)
Frame Rate PTZ	15 fps(1920×1080)
ROI	Up to 8 areas
BLC	Supported
OSD	Up to 8 OSDs
Privacy Mask	Up to 8 areas
Motion Detection	Up to 4 areas
Audio	
Audio Compression	G.711
Two-way audio	Supported
Suppression	Supported
Sampling Rate	8 KHZ
Storage	
Edge Storage	Micro SD, up to 128GB
Network Storage	ANR
Network	
Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP

Compatible Integration	ONVIF(Profile S, Profile G), API
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 35 kΩ; amplitude 2 V [p-p]
	Output: impedance 600 Ω; amplitude 2 V [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 75 Ω; amplitude 1 V [p-p]
General	
Power	DC12V±25%, PoE（IEEE802.3af）
	Power consumption: Max. 21W
Dimensions (Ø x H)	Φ149mm x 55mm (Φ5.87" x 2.17")
Weight	0.5kg(1.1lb)
Working Environment	-35℃~60℃(-31°F ~ 140°F), Humidity :10%~90% RH
Ingress Protection	IP66
Vandal Resistant	IK10
Reset Button	Supported

Dimensions

⌀ 149mm
(5.87")

Installation mode	Accessories	Description
Ceiling mount	Mounting pedestal is included in the product package	TR-UM06-C-IN junction box and TR-A01-IN waterproof joint for the junction is optional
		TR-JB04-A-IN junction box and TR-A01-IN waterproof joint for the junction is optional
Wall mount	TR-JB07/WM04-IN	For outdoor wall installation, excluding junction box
	TR-JB07/WM04-A-IN	For outdoor wall installation, including junction box TR-A01-IN waterproof joint for the junction is optional
Pole mount	TR-WM03-A-IN +TR-UP06-IN	For indoor wall installation, excluding junction box
	T TR-JB07/WM04-A-IN (Or TR-WM04-IN)+TR-UP06-IN	For indoor wall installation, including junction box
	TR-UF45-F-IN+TR-CE45-IN	For indoor wall installation, including junction box