



IPC86CEB-AF18KC-I0-NB



Key Features



- High quality image with 12MP, 1/1.7" CMOS sensor
- Max 4000 x 3000 resolution
- Ultra265, H.265, H.264, MJPEG
- Ultra wide angle lens, 360° panoramic image
- Embedded Infrared light, 360° fill-in light, up to 15m (49ft) IR distance
- Multiple decoding modes, supports software & hardware modes, provides interactive dynamic view
- Heatmap: Working with management platform, the data of moving objects is counted in real time on an intuitive color map
- Built-in Mic & Speaker, two-way talk supported
- Supports 256G Micro SD card
- IK10 vandal resistant
- IP68 protection



Specifications

IPC86CEB-AF18KC-IO-NB					
Camera					
Sensor	1/1.7", 12.0 megapixel, progressive scan, CMOS				
Min. Illumination	Color: 0.3 Lux (F2.0, AGC On) 0 Lux with IR				
Day/Night	IR-cut filter with auto switch (ICR)				
Shutter	Auto, Manual Shutter Time: 1 ~ 1/100000s				
WDR	DWDR				
S/N	>52dB				
Lens					
Lens Type	1.8mm@2.0				
Field of View	360°				
DORI					
DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	1.8	43.8	17.5	8.8	4.4
Illuminator					
IR Range	Up to 15m (49ft) IR Range				
Wavelength	850nm				
IR On/Off Control	Auto, manual				
Video					
Compression	Ultra265, H.265, H.264, MJPEG				
H.264 Code Profile	Baseline profile, Main profile, High profile				
Main Stream	Fisheye View: 12MP (4000 x 3000)@20fps, 2560 x 2560@25fps Panorama View: 12MP (4000 x 3000)@20fps, 3000 x 2000@20/25fps, 3000 x 1500@20/25fps PTZ View: 1920 x 1080@20/25fps				
Sub Stream	Fisheye View: 2000 x 1500@20fps, 2000 x 2000@25fps				
Third Stream	Fisheye View: D1 (720 x 576)@20/25fps, CIF 352 x 288@20/25fps				



Video Bit Rate	128 Kbps ~ 16 Mbps
U-Code	Support
OSD	Up to 8 OSDs
Privacy Mask	Up to 4 areas
ROI	Up to 8 areas
Video Stream	Triple Streams
Live View Display	
Mount Type	Support Table, Wall & Ceiling
Hardware Decoding	Ceiling Mount: Fisheye view, fisheye + 4 PTZ, Horizontal panorama view, Vertical panorama view Table Mount: Fisheye view, fisheye + 4 PTZ, Horizontal panorama view, Vertical panorama view Wall Mount: Fisheye view, fisheye + 4 PTZ, panorama view
Software Decoding	Ceiling Mount: Fisheye view, 360° panorama + 1 PTZ, 180° panorama view, fisheye+ 3 PTZ, fisheye + 4 PTZ, fisheye + 8 PTZ, 360° panorama + 6PTZ Table Mount: Fisheye view, 360° panorama + 1 PTZ, 180° panorama view, fisheye + 3 PTZ, fisheye + 4 PTZ, fisheye + 8 PTZ 360° panorama + 6 PTZ Wall Mount: Fisheye view, 180° panorama view, 180° panorama view + 3 PTZ, 180° panorama view + 4 PTZ, 180° panorama view + 8 PTZ
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
Defog	Digital Defog
Intelligent	
Smart Intrusion Prevention	Cross line detection & intrusion detection



Statistical Analysis	Heat map (working with management platform)
Events	
Basic Detection	Motion detection, audio detection & tampering alarm
General Function	Watermark, IP address filtering, tampering alarm, alarm input, alarm output, access policy, ARP protection, RTSP authentication & user authentication
Audio	
Audio Compression	G.711U, G.711A
Audio Bitrate	64Kbps
Two-Way Audio	Support
Suppression	Support
Sampling Rate	8 KHZ
Storage	
Edge Storage	Micro SD, up to 256GB
Network Storage	ANR, NAS (NFS)
Network	
Protocols	IPv4, IPv6, 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, SDK
User/Host	Up to 32 users. 3 users levels: administrator, common user & operator
Client	EZStation EZView EZLive
Web Browser	Plug-in required live view: IE 10 & above, Chrome 45 & above, Firefox 52 & above, Edge 79 & above
Interface	
Audio I/O	Input: impedance 35kΩ; amplitude 2V [p-p] Output: impedance 600kΩ; amplitude 2V [p-p]
Alarm I/O	2/1 Multiple Alarm Linkage Editable
Built-in Mic	Two Mics
Built-in Speaker	Support



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]

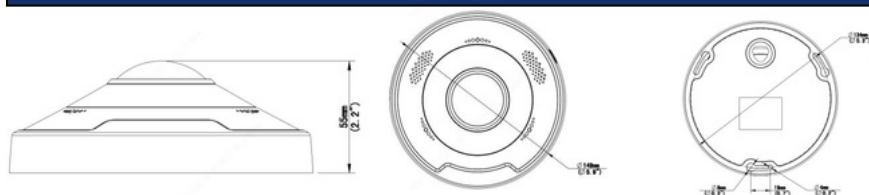
Certifications

EMC	CE-EMC (EN 55032:2015+A1:2020, EN 6100-3-3:2013+A1: 2019, EN IEC 61000-3-2: 2019+A1:2021, EN 55035:2017+A11:2020) FCC (FCC CFR 47 Part15 B, ANSI C63.4-2014)
Safety	CE LVD (EN 62368-1:2014+A11:2017) CB (IEC 62368-1:2014) UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863) WEEE (2014/19/EU) Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529:1989+AMD1:1999+AMD2:2013) IK10 (IEC 62262:2002)

General

Power	DC 12V±25%, PoE (IEEE 802.3af) Power Consumption: Max. 12W
Dimensions	Φ149 x 55mm (Φ5.9" x 2.2") (Φ x H)
Weight	524g
Material	Metal + Plastic
Working Environment	-30° C ~ 60° C (-22°F ~ 140°F), Humidity: ≤95% RH
Storage Environment	-30° C ~ 60° C (-22°F ~ 140°F), Humidity: ≤95% RH
Surge Protection	4KV
Reset Button	Support

Dimensions



Accessories



TR-JB03-H-IN
Junction Box



TR-A01-IN
Waterproof Joint



TR-CE45-IN
Pendant Mount



TR-SE45-A-IN
Pendant Mount