



## IP Fisheye 360 Camera CIPF6IR16



- 6MP CMOS 2560 x 2560 resolution
- 20 live display modes
- Smart IR illumination
- 50 ft illumination distance
- 1.16 mm fixed lens
- Built in Mic and speaker
- IP67, IK10 12VDCP



Category	Specification
<b>Camera</b>	
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux @ f 2.25, AGC on B&W: 0.005 Lux @ f 2.25, AGC on B&W: 0 Lux with IR
Shutter Speed	1 sec. to 1/100,000 sec.
<b>Day &amp; Night</b>	
Day & Night	IR Cut Filter
<b>Digital Noise Reduction</b>	
Digital Noise Reduction	3D DNR
<b>WDR</b>	
WDR	Digital WDR
<b>Lens</b>	
Focal Length	1.16 mm
Aperture	F2.25
Field of View (FOV)	Horizontal 180° (wall mount); 360° (ceiling mount or table mount)
Depth of Field	0.2 m to ∞
<b>IR</b>	
IR Range	Up to 50 ft (15 m) IR range, 3 LEDs
Wavelength	850 nm
<b>Compression Standards</b>	
Video Compressions	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub stream: H.265 / H.264 / MJPEG
H.264 Type	Baseline Profile / Main Profile / High Profile
H.264+	Main stream supported
H.265 Type	Main Profile
H.265+	Main stream supported
Video Bit Rate	32 Kbps to 16 Mbps
SVC	H.265 and H.264 supported

<b>Smart Features</b>	
Behavior Analyses	Line crossing, intrusion, region entrance, region exiting, unattended baggage, & object removal detections
Exception/Anomaly Detection	Audio
Region of Interest	4 fixed regions for main stream and sub-stream
<b>Image</b>	
Max. Resolution	2560 x 2560
Main Stream Max. Frame Rate	30 fps (2560 x 2560, 2048 x 2048, 1280 x 1280, 2048 x 1536, 1920 x 1440, 2048 x 768, 1920 x 720, 2048 x 1536, 1920 x 1440, etc..)
Max. Sub Stream Frame Rate	30 fps (720 x 720, 720 x 480, 640 x 480, 320 x 240)
Image Enhancement	BLC, HLC, defog, 3D DNR, Distortion Correction, Defog
Image Setting	Saturation, brightness, contrast, sharpness, AGC and white balance are adjustable by client software or web browser
Day / Night Switch	Day / Night / Auto / Schedule / Triggered by Alarm In (-S)
Picture Overlay	LOGO picture can be overlaid on video with 128 x 128 24-bit .bmp format

<b>Live View Display</b>	
Mount Type	Table, wall, and ceiling options
Decoding Mode	Supports hardware and software decoding
Display Modes (20)	<p><b>Software decoding:</b></p> <p>Fisheye view, 180 panorama view, 360 panorama view, 360 panorama + PTZ, 360 panorama + 3 PTZ, 360 panorama + 6 PTZ, 360 panorama + 8 PTZ,</p> <p>2 PTZ, 4 PTZ, fisheye + 3 PTZ, fisheye + 8 PTZ, hemisphere, AR hemisphere, cylinder</p> <p><b>Hardware decoding:</b></p> <p>Fisheye view, 180 panorama view, 180 dual channel panorama, panorama view, 4PTZ, fisheye + 3PTZ, 4PTZ fusion</p>
<b>Audio</b>	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz / 16 kHz / 32 kHz / 48 kHz
Audio Compression	G.711 / G.722.1 / G.726 / MP2L2 / PCM / MP3 / AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw / G.711alaw) / 16 Kbps (G.722.1) / 16 Kbps (G.726) / 32 to 192 Kbps (MP2L2) / 8 to 320 Kbps (MP3) / 16 to 64 Kbps (AAC-LC)

<b>Network</b>	
Network Storage	NAS (NFS, SMB / CIFS), Auto Network Replenishment (ANR); high-end memory card, memory card encryption, and health detection are supported.
Alarm Triggers	Motion detection, video tampering alarm, network disconnected, IP address conflicted, illegal login, HDD full, HDD error
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, ISUP, ARP, WebSocket, WebSockets, SIP
Security Measures	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address)
General Functions	Heartbeat, flash log, password reset via email, password protection, one-key reset, anti-banding
API	ONVIF - Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK
Simultaneous Live View	Up to 20 channels
User / Host	Up to 32 users; 3 user levels, administrator, operator and user
Web Browser	Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11+ Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
<b>Interface</b>	
Communication Interface	1 RJ45 10M/100M/1000M self-adaptive Ethernet port
Audio	1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K $\Omega$ , interface type: Non-equilibrium 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 $\Omega$ , interface type: Non-equilibrium
Alarm	2 inputs, 2 outputs (max. 24 VDC, 1 A)
On-board storage	Built-in MicroSD / SDHC / SDXC slot, up to 256 GB

<b>General</b>	
Operating Conditions	-40° to 140° F (-40° to 60° C), Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 20%, PoE (802.3 af, class 0), two-core terminal block
Power Consumption	12 VDC, 0.9 A, max. 11 W PoE (802.3 af, 36 to 57 V), 0.3 A to 0.2 A, max. 12 W
Protection Level (-V)	IP67, IK10
Material	Metal
Dimensions	Ø 5.5 × 2.3" (Ø 140.3 × 59.4 mm)
Weight	Approx. 1.58 lb (715 g)
<b>Accessories</b>	
Angled Ceiling Mount	
Wall Mount Bracket	
Pendant Mount	