



## IP PTZ 2K Pro Camera CIPZ4IR48-1200



- 4MP, 2560 x 1440 resolution
- Smart IR illumination
- 150 m illumination distance
- 4.8 – 120 mm motorized varifocal lens
- IP66, 24VAC



Category	Specification
<b>Camera</b>	
Image Sensor	1/2.8" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Min. Illumination	Color: 0.005 Lux @(F1.6, AGC on); B/W: 0.001 Lux @(F1.6, AGC on), 0 Lux with IR
Shutter Speed	1 to 1/30,000 sec
Slow Shutter	Yes
Day & Night	IR cut filter
Zoom	25x optical, 16x digital
<b>Lens</b>	
Focus	Auto, semi-auto, manual
Focal Length	4.8 to 120 mm
Zoom Speed	Approx. 3.6 sec
Field of View (FOV)	Horizontal: 55° to 2.4° (wide-tele) Vertical: 33° to 1.4° (wide-tele) Diagonal: 61.5° to 2.8° (wide-tele)
Aperture	Max. F1.6
<b>Illuminator</b>	
Supplemental Light Type	IR
Supplemental Light Range	Up to 492 ft (150 m)

<b>Functionality</b>	
Movement Range (Pan)	360°
Movement Range (Tilt)	-15° to 90° (Auto flip)
Pan Speed	Configurable from 0.1° to 120°/sec.; preset speed: 120°/sec
Tilt Speed	Configurable from 0.1° to 80°/sec.; preset speed: 80°/sec
Proportional Pan	Yes
Presets	300
Patrol Scan	8 patrols, up to 32 presets for each patrol
Pattern Scan	4 pattern scans
Power-off Memory	Yes
Park Action	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan
3D Positioning	Yes
PTZ Status Display	Yes
Preset Freezing	Yes
Scheduled Task	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output

<b>Video</b>	
Main Stream Max. Frame Rate	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream Max. Frame Rate	50 Hz: 25 fps (704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream Max. Frame Rate	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60 Hz: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video Compression	Main stream: H.264 / H.264+ / H.265 / H.265+   Sub-stream: MJPEG / H.264 / H.265 Third stream: MJPEG / H.264 / H.265
Video Bitrate	32 Kbps to 16 Mbps
H.264 Type	Baseline profile / Main profile / High profile
H.265 Type	Main profile
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	8 fixed regions for each stream
<b>Audio</b>	
Audio Compression	G.711 / G.722.1 / G.726 / MP2L2 / PCM
Audio Bitrate	64 Kbps (G.711) / 16 Kbps (G.722.1) / 16 Kbps (G.726) / 32 - 192 Kbps (MP2L2)
Audio Sampling Rate	8 / 16 / 32 / 48 kHz
Environmental Noise Filtering	Yes

<b>Network</b>	
Network Storage	NAS (NFS, SMB / CIFS), auto network replenishment (ANR)
Protocols	IPv4/IPv6, HTTP, HTTPS, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, UDP, IGMP, ICMP, DHCP, PPPoE, Bonjour
API	Open Network Video Interface (Version 19.12, Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
Simultaneous Live View	Up to 20 channels
User / Host	Up to 32 users; 3 user levels: administrator, operator, and user
Security	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, control timeout settings, security audit log, TLS 1.2, host authentication (MAC address)
Web Browser	Internet Explorer 11, Chrome 57+, Firefox 52+, Safari 11+
<b>Imaging</b>	
Day / Night Switch	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Wide Dynamic Range (WDR)	120 dB
Defog	Digital Defog
Regional Exposure	Yes
Regional Focus	Yes
Image Settings	Saturation, brightness, contrast, sharpness, gain, and white balance adjustable by client software or web browser
Image Parameters Switch	Yes
Privacy Mask	24 programmable polygon privacy masks, mask color or mosaic configurable
SNR	> 52 dB

<b>Interface</b>	
Ethernet Interface	1 RJ45 10M/100M self-adaptive Ethernet port
On-board Storage	Built-in memory card slot supports MicroSD / SDHC / SDXC cards up to 256 GB
Alarm	2 inputs, 1 output
Audio	1 input (line in), max. input amplitude: 2 - 2.4 vpp, input impedance: 1 K $\Omega$ $\pm$ 10% 1 output (line out), line level, output impedance: 600 $\Omega$
Reset	Yes
<b>Event Types</b>	
Basic Events	Motion detection, video tampering alarm, exception/anomaly, alarm input and output
Smart Events	Detections: Line crossing, intrusion, region entrance, region exiting, unattended baggage, object removal, audio exception/anomaly
Alarm Linkage	Upload to FTP / NAS / memory card, notify surveillance center, send email, trigger alarm output, trigger recording, and PTZ actions (such as preset, patrol scan, pattern scan)
Deep Learning Functions	Face Capture
<b>General</b>	
Power	24 VAC, Max. 24 W (including max. 9 W for IR and max. 1.6 W for heater); PoE (802.3at)
Operating Condition	-22° to 149° F (-30° to 65° C); Humidity 90% or less (non-condensing)
Demist	Yes
Materials	Metal
Dimensions	Ø 8.27 × 13.57 in. (Ø 210 × 344.7 mm)
Weight	Approx. 6.61 lbs (3.0 kg)

<b>Certifications</b>	
EMC	FCC (47 CFR Part 15, Subpart B) CE-EMC (EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 50130-4: 2011 +A1: 2014) RCM (AS/NZS CISPR 32: 2015) IC (ICES-003: Issue 7) KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 62368-1) CB (IEC 62368-1:2014+A11) CE-LVD (EN 62368-1:2014/A11:2017)
Environmental	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protections	IP66 (IEC 60529-2013), TVS 6000V lightning protection, surge protection and voltage transient protection
<b>Accessories</b>	
Corner Mount	RFB397
Parapet Mount	RFB742
Pendant Mount (50cm, 20cm option)	RFB751
Wall Mount Bracket (Included)	RFB762