



IP PTZ 2K Camera CIPZ4IR28-120



- 4MP, 2560 x 1440 resolution
- Smart IR illumination
- 20 m illumination distance
- 2.8 – 12 motorized varifocal lens
- IP67, IK10, 12VDC



Category	Specification
Camera	
Image Sensor	1/3" 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	50Hz: 1/1 s to 1/30,000 s 60Hz: 1/1 s to 1/30,000 s
White Balance	Auto/Manual/ATW/Indoor/Outdoor/Fluorescent Lamp/Sodium Lamp
Gain	Auto/Manual
Day & Night	IR Cut Filter
Digital Zoom	16×
Privacy Mask	24 programmable privacy masks
Focus Mode	Auto/Semi-automatic/Manual
WDR	120 dB WDR
Lens	
Focal Length	2.8 mm to 12 mm, 4× optical zoom
Zoom Speed	Approx. 2 s (optical lens, wide-tele)
Field of View (FOV)	Horizontal: 100° to 33° (Wide-Tele) Vertical: 53° to 18° (Wide-Tele) Diagonal: 119° to 37.5° (Wide-Tele)
Working Distance	10 mm to 1500 mm (wide-tele)
Aperture Range	F1.6 to F2.7

PTZ	
Pan Range	0° to 330°
Pan Speed	Configurable, from 0.1°/s to 100°/s Preset speed: 100°/s
Tilt Range	From 0° to 90°
Tilt Speed	Configurable, from 0.1°/s to 100°/s Preset speed: 100°/s
Proportional Zoom	Support
Presets	300
Power-off Memory	Support
Compression Standard	
Video Compression	Main Stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG Third Stream: H.265/H.264/MJPEG
H.264 Type	Baseline Profile/Main Profile/High Profile
H.264+	Support
H.265+	Support
Video Bitrate	32 Kbps to 16384 Kbps
Audio Compression	G.711alaw/G.711ulaw/G.722.1/G.726/MP2L2/PCM
Audio Bitrate	64 Kbps (G.711) / 16 Kbps (G.722.1) / 16 Kbps (G.726) / 32 Kbps to 160 Kbps (MP2L2)
SVC	Support
Smart Features	
Basic Event	Motion Detection, Video Tampering Detection, Exception
Smart Event	Face Detection, Intrusion Detection, Line Crossing Detection, Region Entrance Detection, Region Exiting Detection, Object Removal Detection, Unattended Baggage Detection, Audio Exception Detection
Smart Record	ANR (Automatic Network Replenishment), Dual-VCA
ROI	Main stream, sub-stream, and third stream respectively support two fixed areas

IR	
IR Distance	Up to 66 ft (20 m)
Smart IR	Support
Image	
Main Stream Max. Frame Rate	50Hz: 25 fps (2560 × 1440, 2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 24 fps (2560 × 1440), 30 fps (2048 × 1536, 1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream Max. Frame Rate	50Hz: 25 fps (704 × 576, 640 × 480, 352 × 288) 60Hz: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream Max. Frame Rate	50Hz: 25 fps (1280 × 720, 704 × 576, 640 × 480, 352 × 288) 60Hz: 30 fps (1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Image Enhancement	3D DNR, HLC, EIS, Regional Exposure, Regional Focus
Network	
Network Storage	Built-in memory card slot, supports Micro SD/SDHC/SDXC, up to 256 GB; NAS (NPS, SMB/CIFS), 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-ended, supports ONVIF, ISAPI, and CGI, supports Third-Party Management Platform
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users, 3 levels: Administrator, Operator, and User
Security Measures	User authentication (ID and PW), Host authentication (MAC address), HTTPS encryption, IEEE 802.1x port-based network access control, IP address filtering
Web Browser	IE 8 to 11, Chrome 31.0 to 44, Firefox 30.0 to 51
Interface	
Audio Interface	1-ch audio input and 1-ch audio output, 1 built-in microphone
Network Interface	1 RJ45 10M/100M Ethernet, PoE

General	
Power	12 VDC & PoE, Max.: 12 W (Max. 3.9 W for IR)
Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Operating Humidity	≤ 90%
Protection Level	IP67 Standard, IK10 Vandal Proof, TVS 4000V Lightning Protection, Surge Protection and Voltage Transient Protection
Material	Aluminum alloy, PC, PC+ABS
Dimensions	Φ 130.7 mm × 101.7 mm (Φ 5.15" × 4.00")
Weight	Approx. 0.53 kg (1.17 lb)
Accessories	
Wall Mount	RFB202
Junction Box	RFB347H