



IP PTZ 2K Pro Dual Camera CIPZ4IR48-1200D



- Dual 4MP, 2560 x 1440 resolution
- Smart IR illumination
- Human and Vehicle recognition
- 100 m illumination distance
- 30 m white light
- Fixed 2.8 mm lens
- PTZ 4.8 – 120 mm motorized varifocal lens
- IP66, 12VAC



Category	Specification
Camera	
Image Sensor	1/3" Progressive Scan CMOS (Fixed channel), 1/2.8" progressive scan CMOS (PTZ channel)
Min. Illumination	Fixed: 0.0005 Lux @ (F1.0, AGC on), 0 Lux with light; PTZ: 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
Focus	Semi-auto, manual, auto
Zoom	25x optical, 16x digital
Day & Night	ICR
Day / Night Switch	Day, night, auto, scheduled-switch
White Balance	Auto, ATW, sodium lamp, fluorescent lamp, indoor, outdoor, MWB, Locked WB
Max. Resolution	2560 × 1440 (Fixed and PTZ channels)
Focal Length	Fixed: 2.8 mm; PTZ: 4.8 to 120 mm, 25x optical
Zoom Speed	Approx. 3.6 sec. (PTZ)
Field of View	Fixed: Horizontal: 96.1°, Vertical: 52.1°, Diagonal: 113.3°; PTZ: Horizontal: 55° to 2.4°, Vertical: 33° to 1.4°, Diagonal: 61.5° to 2.8°
Aperture	Fixed: F1.0; PTZ: F1.6
Supplemental Light	PTZ: IR; Fixed: White Light
Smart Supplemental Lighting	Yes
Supplemental Light Range	PTZ: up to 328 ft (100 m); Fixed: up to 98 ft (30 m)

Functionality	
Movement Range (Pan)	360°
Movement Range (Tilt)	-15° to 90° (auto flip)
Pan Speed	Configurable from 0.1° to 80°/sec.; preset speed: 80°/sec.
Tilt Speed	Configurable from 0.1° to 80°/sec.; preset speed: 80°/sec.
Proportional Zoom	Yes
Presets	300
Patrol Scan	8 patrols, up to 32 presets per 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 Tasks	Preset, pattern scan, patrol scan, auto scan, tilt scan, random scan, frame scan, panorama scan, dome reboot, dome adjust, aux output
Anomaly Detections	IP address conflict, HDD full, illegal login, HDD error, network disconnected, Abnormal Reboot

Video	
Region of Interest (ROI)	8 fixed regions per stream
Stream Type	Main stream, sub-stream, third stream
Main Stream	Fixed: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720); PTZ: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	Fixed: 30 fps (704 × 480, 640 × 480, 352 × 240); PTZ: 30 fps (704 × 480, 640 × 480, 352 × 240)
Third Stream	Fixed: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240); PTZ: 30 fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480, 352 × 240)
Video Compression	H.265, H.264, MJPEG
Video Bit Rate	32 kbps to 16,384 kbps
H.264 Type	Baseline profile, main profile, high profile
H.265 Type	Main profile
H.264+	Yes
H.265+	Yes
SVC	Yes
Audio	
Audio Compression	G.711, G.722.1, G.726, MP2L2, PCM, AAC-LC
Audio Bit Rate	32 to 160 Kbps (MP2L2), 16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8, 16, 32, 48 kHz
Environmental Noise Filtering	Yes
Smart Features	
Smart Recording	ANR, Dual-VCA

Network	
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
Network Storage	NAS (NFS, 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, WebSocket, WebSockets
Simultaneous Live View	20
User / Host	32
Security Measures	Authenticated username and password, MAC address binding, HTTPS encryption, 802.1X authenticated access, IP address filter
Web Browsers	IE 10+, Chrome 57+, Firefox 52+, Safari 12+
Imaging	
Image Settings	Sharpness, saturation, brightness, contrast
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Defog	Digital defog
Image Stabilization	EIS
Image Enhancement	BLC, HLC, 3D DNR
Regional Focus	Yes
Regional Exposure	Yes
Image Parameters Switch	Yes
Privacy Mask	Fixed: 8 programmable polygon masks; PTZ: 24 programmable polygon masks, mask color or mosaic configurable

Interface	
Communication Interface	RJ45, self-adaptive 10M/100M Ethernet port
On-board Storage	Built-in memory card slot supports MicroSD / SDHC / SDXC up to 256 GB
Alarm Input	1 alarm input
Alarm Output	1 alarm output
Audio Input	1 audio input, 2.0 to 2.4 Vp-p, 1k Ohm \pm 10%
Audio Output	1 audio output, line level, impedance: 600 Ω
Event Types	Motion detection, video tampering alarm, alarm input and output, exception
Smart Events	Audio anomaly detection, line crossing detection, intrusion detection, region entrance detection, region exiting detection
Alarm Linkage	Upload to FTP / NAS / memory card, notify surveillance center, send email, trigger alarm output, trigger recording
Smart Tracking	Manual tracking, auto-tracking
Deep Learning Functions	
Face Capture	Fixed: No; PTZ: Yes
General	
General Functions	Mirror, password protection, watermark, IP address filter
Power	12VDC, PoE+
Power Consumption	Max. 24 W, including max. 2.6 W for heater and max. 11 W for supplement light
Operating Conditions	-22° to 149° F (-30° to 65° C), humidity lower than 90%RH
Reset	Yes
Demist	Demist by heating the glass
Materials	ADC12
Dimensions	\varnothing 6.5 \times 14.7 in. (\varnothing 166 \times 375 mm)
Weight	Approx. 13.2 lbs (2.4 kg)
Certifications	IP66 Standard, 6,000 V Lightning Protection, Surge Protection, Voltage Transient Protection

DORI	
Definition	Detect: 25 px/m; Observe: 63 px/m; Recognize: 125 px/m; Identify: 250 px/m
Distance (Tele)	Detect: 7,217.85 ft (2,200.0 m); Observe: 2,864.17 ft (873.0 m); Recognize: 1,443.57 ft (440.0 m); Identify: 721.78 ft (220.0 m)
Accessories	Pendant Mount RFB751-20 Wall Mount: RFB212
Pendant Mount	RFB751-20
Wall Mount (Included)	RFB212