



IP Radiant 4K Camera CIPT8LED28



- 8MP CMOS 3840 x 2160 resolution
- Human and Vehicle detection
- 24/7 Color Night Vision
- 30 m illumination distance
- 2.8mm fixed lens
- Built in MIC
- IP67, 12VDCP



Category	Specification
Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Max. Resolution	3840 × 2160
Min. Illumination	Color: 0.0008 Lux @ (F1.0, AGC on), 0 Lux with white light
Shutter Time	1/3 sec. to 1/100,000 sec.
Day & Night	24/7 color imaging
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°
Lenses	
Lens Type	Fixed focal lens 2.8mm
Focal Lengths & FOV	2.8 mm: horizontal 104°, vertical 55°, diagonal 127°
Lens Mount	M16
Iris Type	Fixed
Aperture	F1.0
Depth of Field	3.4 m to ∞
Detection, Observation, Recognition, Identification (DORI)	D: 298 ft (91 m), O: 118 ft (36 m), R: 59 ft (18 m), I: 29 ft (9 m)
Illuminator	
Supplemental Light Type	White Light
Supplemental Light Range	Up to 98 ft (30 m)
Smart Supplemental Lighting	Yes

Video	
Main Stream (50 Hz)	20 fps (3840 × 2160) 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Main Stream (60 Hz)	20 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720)
Sub-Stream (50 Hz)	25 fps (1280 × 720, 640 × 480, 640 × 360)
Sub-Stream (60 Hz)	30 fps (1280 × 720, 640 × 480, 640 × 360)
Third Stream (50 Hz)	10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
Third Stream (60 Hz)	10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)
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
Video Bit Rates	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile / Main Profile / High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR / VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region for main stream and sub-stream
Audio	
Audio Type	Mono sound
Audio Compressions	G.711 / G.722.1 / G.726 / MP2L2 / PCM / MP3/ AAC-LC
Audio Bit Rates	64 Kbps (G.711 ulaw) / 64 Kbps (G.711 alaw) / 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)
Audio Sampling Rates (kHz)	8 / 16 / 32 / 44.1 / 48
Environmental Noise Filtering	Yes

Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
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, WSSE and digest authentication for Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2, TLS 1.3, host authentication (MAC address)
Network Storage	NAS (NFS, SMB / CIFS), auto network replenishment (ANR)
Web Browser	Plug-in required live view: IE10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 12+ Local service: Chrome 57.0+, Firefox 52.0+
Imaging	
Image Parameters Switch	Yes
Image Settings	Mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Day / Night Switch	Day, Night, Auto, Schedule
Wide Dynamic Range (WDR)	130 dB
SNR	≥ 52 dB
Image Enhancement	BLC, HLC, 3D DNR
Privacy Mask	4 regions of privacy mask

Interface	
Ethernet Interface	1 RJ45 10/100 Mbps self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, supports MicroSD / SDHC / SDXC / TF cards, up to 256 GB
Built-in Microphone	Yes
Reset Key	Yes
Event Types	
Basic Events	Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception/anomaly
Smart Events	Line crossing, intrusion, region entrance, region exiting (support alarm triggered by specified target types (human and vehicle)), and scene change detections
Linkage	Upload to NAS / memory card / FTP, notify surveillance center, send email, trigger recording, trigger capture
General	
Power	12 VDC \pm 25%, 0.79 A, max. 9.5 W, \varnothing 5.5 mm coaxial power plug, reverse polarity protection PoE: 802.3 af, Class3, 36 V to 57 V, 0.29 A to 0.18 A, max. 10.5 W
Materials	Metal except for trim ring
Dimensions	\varnothing 5.4 \times 4.5 in (\varnothing 138.3 \times 115.4 mm)
Package Dimensions	6.7 \times 6.7 \times 5.9 in (170 \times 170 \times 150 mm)
Weight	Approx. 1.7 lbs (770 g)
Package Weight	Approx. 2.3 lbs (1,040 g)
Operating Conditions	-22°F to 140°F (-30°C to 60°C), humidity 95% or less (non-condensing)
Ingress Protection	IP67
Camera Function Certification	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014,FCC: 47 CFR Part 15, Subpart B
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
Protection Level	TVS 2000V lightning protection, surge protection, voltage transient protection
Accessories	
Wall Mount Bracket	RFB301
Junction Box	RFB307