



IP Sentry 2K Camera CIPV4IR28



- 4MP CMOS 2688 x 1520 resolution
- Human and Vehicle detection
- Smart IR illumination
- 30 m illumination distance
- 2.8mm fixed lens
- Built in MIC
- IP67, IK10 12VDCP



Category	Specification
General	
Features	<ul style="list-style-type: none"> - High quality imaging with 4 MP resolution - Clear imaging against strong backlight thanks to 120 dB WDR technology - High-efficiency H.265+ compression technology - Built-in microphone for real-time audio security - Water and dust resistance (IP67) and vandal resistance (IK10) - Focus on human and vehicle target classification based on deep learning
Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC on), 0 Lux with IR on
Shutter Speed	1/3 to 1/100,000 sec.
Slow Shutter	Yes
Wide Dynamic Range	120 dB
Day & Night	ICR Cut
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°
Lenses	
Lens Type & FOV	Horizontal 103°, vertical 55°, diagonal 122°
Aperture	F1.6
Lens Mount	M12
Detection, Observation, Recognition, Identification (DORI)	D: 67 m, O: 26 m, R: 13 m, I: 6 m
Illuminator	
IR Range	Up to 98 ft (30 m)
Wavelength	850 nm

Video	
Max. Resolution	2688 × 1520
Main Stream (50 Hz)	25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Main Stream (60 Hz)	30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)
Sub Stream (50 Hz)	25 fps (640 × 480, 640 × 360)
Sub Stream (60 Hz)	30 fps (640 × 480, 640 × 360)
Third Stream (50 Hz)	25 fps (1280 × 720, 640 × 480, 640 × 360)
Third Stream (60 Hz)	30 fps (1280 × 720, 640 × 480, 640 × 360)
Video Compression	Main stream: H.264 / H.264+ / H.265 / H.265+ Sub-stream: MJPEG / H.264 / H.265 Third stream: H.264 / H.265
Video Bit Rate	32 Kbps to 8 Mbps
H.264 Type	Baseline Profile / Main Profile / High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR / VBR
Scalable Video Coding (SVC)	Yes
Region of Interest (ROI)	1 fixed region for main stream and sub-stream
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rates	8 / 16 / 32 / 44.1 / 48 kHz
Audio Compression	G.711 ulaw / G.711 alaw / G.722.1 / G.726 / MP2L2 / PCM / MP3 / AAC
Audio Bit Rate	64 Kbps (G.711 ulaw / G.711 alaw) 16 Kbps (G.722.1) 16 Kbps (G.726) 16 Kbps - 64 Kbps (AAC) 32 - 192 Kbps (MP2L2) 8 - 320 Kbps (MP3)

Network	
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G), ISAPI, SDK
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
User / Host	Up to 32 users. 3 user levels: administrator, operator and user
Security	Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface
Network Storage	MicroSD / SDHC / SDXC cards (256 GB) for local storage, and NAS (NFS, SMB / CIFS), auto network replenishment (ANR)
Web Browser	Plug-in required live view: IE 10, IE 11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+
Imaging	
Day/Night Switching	Day, Night, Auto, Schedule
Image Enhancement	BLC, HLC, 3D DNR
Image Parameters Switch	Yes
Image Settings	Rotate, mirror, privacy mask, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
Interface	
Built-in Microphone	Yes
On-board Storage	Built-in MicroSD, up to 256 GB
Hardware Reset	Yes
Communication Interface	1 RJ45 10/100 Mbps self-adaptive Ethernet port

Event Types	
Basic Events	Motion detection (human and vehicle targets classification), video tampering alarm, exceptions / anomalies
Face Detection	Yes
Deep Learning Functions	Perimeter Protections: Line crossing detection, intrusion detection, supports human and vehicle targets classification
General	
Linkage Method	Upload to FTP / memory card / NAS, notify surveillance center, trigger record, trigger capture, Email
Web Client Languages	English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
General Functions	Anti-flicker, heartbeat, password reset via e-mail, pixel counter
Storage Conditions	-22° to 140° F (-30° to 60° C); Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-22° to 140° F (-30° to 60° C); Humidity 95% or less (non-condensing)
Power Supply	12 VDC \pm 25%, reverse polarity protection PoE: 802.3af, Class 3
Power Consumption and Current	12 VDC, 0.4 A, max. 5 W PoE (802.3 af, 36 V to 57 V), 0.2 A to 0.15 A, max. 6.5 W Power Interface: \varnothing 5.5 mm coaxial power plug
Materials	Aluminum alloy body Bubble: plastic
Camera Dimensions	\varnothing 4.8 \times 3.7 in. (\varnothing 121.4 \times 92.2 mm)
Package Dimensions	5.9 \times 5.9 \times 5.6 in. (150 \times 150 \times 141 mm)
Camera Weight	Approx. 1.3 lbs (570 g)
Package Weight	Approx. 1.8 lbs (806 g)
Certifications	
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2)

Accessories	
Wall Mount Bracket	RFB342-110
Wall Mount	RFB348
Angled Ceiling Mount	RFB349
Pendant Mount	RFB376