



## IP Panoramic 180 4K Camera CIPP8LED40



- 8MP CMOS sensor 5120 x 1440
- Human and Vehicle detection
- 24/7 Color LED nightvision
- 40 m illumination distance
- 4 mm fixed dual lens
- IP67, 12VDC



Category	Specifications
<b>Camera</b>	
Image Sensor	2 × 1/1.8" Progressive Scan CMOS
Max. Resolution	5120 × 1440
Min. Illumination	Color: 0.0005 Lux @ (f 1.0, AGC ON), 0 Lux with light
Shutter Speed	1/3 to 1/100,000 sec.
Angle Adjustment	Pan: -30° to 30°, tilt: -75° to 75°
<b>Lens</b>	
Lens Type	Fixed focal length; dual 4 mm lenses
Field of View	Horizontal: 180° ± 10°, Vertical: 44°
Lens Mount	M16
Iris Type	Fixed
Aperture	f 1.0
Depth of Field	3.6 m to ∞
<b>Detection, Observation, Recognition, Identification (DORI) Ranges</b>	4 mm, D: 250 ft (77 m), O: 100 ft (30 m), R: 50 ft (15 m), I: 23 ft (7 m)
<b>Supplemental Lighting</b>	
Type	White
Range	Up to 131 ft (40 m)
Technology	Smart

<b>Video</b>	
Main Stream	50 Hz: 12.5 fps (5120 × 1440), 60 Hz: 15 fps (5120 × 1440) (WDR On) 50 Hz: 20 fps (5120 × 1440), 60 Hz: 20 fps (5120 × 1440) (WDR Off)
Sub-Stream	50 Hz: 12.5 fps (1920 × 536, 960 × 272), 60 Hz: 15 fps (1920 × 536, 960 × 272) (WDR On) 50 Hz: 20 fps (1920 × 536, 960 × 272), 60 Hz: 20 fps (1920 × 536, 960 × 272) (WDR Off)
Video Compression	Main stream: H.265+ / H.265 / H.264+ / H.264 Sub-stream: H.265 / H.264 / MJPEG
Video Bit Rate	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	H.264 and H.265 encoding
Region of Interest (ROI)	1 fixed region(s) for main stream
<b>Audio</b>	
Audio Type	Mono
Audio Compression	G.711 / G.722.1 / G.726 / MP2L2 / PCM / MP3 / AAC-LC
Audio Bit Rates	64 Kbps (G.711 ulaw / 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	8 / 16 / 32 / 44.1 / 48 kHz
Environmental Noise Filtering	Yes

<b>Network</b>	
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-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, host authentication (MAC address)
Network Storage	NAS (NFS, SMB / CIFS), Auto Network Replenishment (ANR), NVR
Web Browser	Plug-in required for live viewing in IE 10, IE 11 Plug-in-free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+
<b>Imaging</b>	
Image Parameter Switching	Yes
Image Settings	Saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser
Day / Night Switching	Day, Night, Auto, Schedule
Wide Dynamic Range (WDR)	130 dB
SNR	≥ 52 dB
Image Enhancement	BLC, HLC, 3D DNR

<b>Interface</b>	
Ethernet Interface	1 x RJ45 10/100 Mbps self-adapting Ethernet port
On-Board Storage	Built-in memory card slot, supports MicroSD / SDHC / SDXC / TF cards up to 256 GB
Built-in Microphone	Yes
Built-in Speaker	Max. power consumption: 1.2 W; max. sound pressure: 10 cm: 95 dB
Audio Input	1 input (line in), terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K $\Omega$ , interface type: non-equilibrium
Audio Output	1 output (line out), terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 $\Omega$ , interface type: non-equilibrium
Alarm	1 input, 1 output (max. 24 V DC, 1 A)
Reset Key	Yes
<b>Event Types</b>	
Basic	Motion detection (supports alarm triggering by specified target types (human and vehicle)), alarm input and output, flashing light, audible alarm output, anomalies
Smart	Line crossing, intrusion, region entrance, region exiting (supports alarm triggered by specified target types (human and vehicle)), and scene change detections
Linkage	Upload to FTP / NAS / memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture, audible warning, white light flashing
<b>Deep Learning Functions</b>	
Perimeter Protections	Line crossing, intrusion, region entrance, region exiting (support alarm triggering by specified target types (human and vehicle))

<b>General</b>	
Power	12 VDC ± 25%, 0.79 A, max. 9.5 W, Ø 5.5 mm coaxial power plug PoE: 802.3af, Class 3, 36 V to 57 V, 0.29 A to 0.18 A, max. 10.5 W
Material	Metal
Camera Dimensions	Ø 6.1 × 6.1 in. (Ø 155 × 155.3 mm)
Package Dimensions	9 × 9 × 9 in. (230 × 230 × 230 mm)
Weight	Approx. 2.4 lbs (1,110 g)
Shipping Weight	Approx. 4.2 lbs (1,900 g)
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 °C to 60 °C). Humidity 95% or less (non-condensing)
Languages (33)	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 email, password protection, one-key reset
Light	Flashing
<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
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: IP67: IEC 60529-2013

<b>Accessories (Optional)</b>	
Wall Mount	RFB342-155
Pendant Mount	RFB781
Junction Box	RFB722