

## Model: IP2B4MIRW

4 Megapixel Outdoor Rated IP Bullet Camera



- 4 Megapixel HD Resolution
- Human and Vehicle Motion Filters
- Line Crossing and Intrusion Detection
- 120dB Wide Dynamic Range
- IR Range: up to 131ft
- H.265+, H.265 & H.264+ Compression
- 4mm Fixed Lens 84° Field of View
- IP67/IK10 Water Resistant and Vandal Proof

## ▪ Specification

<b>Camera</b>		<b>IP2B4MIRW</b>
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 s to 1/100,000 s	
Slow Shutter	Yes	
P/N	P/N	
Wide Dynamic Range	120 dB	
Day & Night	ICR Cut	
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°	
<b>Lens</b>		
Lens Type & FOV	4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100°	
Aperture	F1.6	
Lens Mount	M12	
<b>DORI</b>		
DORI	4 mm: D: 80 m, O: 31 m, R: 16 m, I: 8 m	
<b>Illuminator</b>		
IR Range	Up to 40 m	
Wavelength	850 nm	
<b>Video</b>		
Max. Resolution	2688 × 1520	
Main Stream	50Hz: 25fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 30fps (2688 × 1520, 1920 × 1080, 1280 × 720)	
Sub Stream	50Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)	
Third Stream	50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)	
Video Compression	Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264	
Video Bit Rate	32 Kbps to 8 Mbps	
H.264 Type	Baseline Profile/Main Profile/High Profile	
H.265 Type	Main Profile	
H.264+	Main Stream supports	
H.265+	Main Stream supports	
Bit Rate Control	CBR/VBR	
Scalable Video Coding (SVC)	Yes	
Region of Interest (ROI)	1 fixed region for main stream and sub-stream	
<b>Audio</b>		
Environment Noise Filtering	-U: Yes	
Audio Sampling Rate	-U: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz	

Audio Compression	-U: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
Audio Bit Rate	-U: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16-64 Kbps (AAC-LC)
<b>Network</b>	
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, WebSocket, WebSockets
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	NAS (NFS, SMB/CIFS), auto network replenishment (ANR)
Client	Guarding Vision App and PC Software
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+
<b>Image</b>	
Day/Night Switch	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
<b>Interface</b>	
Built-in Microphone	-U: Yes
On-board Storage	Built-in microSD, up to 512 GB
Hardware Reset	Yes
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
<b>Event</b>	
Basic Event	Motion detection (human and vehicle targets classification), video tampering alarm, exception
Face Detection	Yes
<b>Deep Learning Function</b>	
Perimeter Protection	Line crossing detection, intrusion detection Supports human and vehicle targets classification
<b>General</b>	
Linkage Method	Upload to FTP/memory card/NAS, notify surveillance center, trigger record, trigger capture
Web Client Language	33 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 Function	Anti-flicker, heartbeat, password reset via e-mail, pixel counter
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)

Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, reverse polarity protection PoE: (802.3af, 36 V to 57 V), Class 3
Power Consumption and Current	12 VDC, 0.5 A, max. 6 W PoE (802.3af, 36 V to 57 V), 0.2 A to 0.13 A, max. 7 W
Power Interface	Ø5.5 mm coaxial power plug
Camera Dimension	Ø70 × 161.7 mm (Ø2.76" × 6.37")
Package Dimension	216 × 121 × 118 mm (8.6" × 4.8" × 4.7")
Camera Weight	Approx. 490 g (1.1 lb.)
With Package Weight	Approx. 724 g (1.6 lb.)
<b>Approval</b>	
EMC	FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015)
Safety	UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015)
Environment	CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
Protection	IP67 (IEC 60529-2013)

## ▪ Dimensions

