



IVH-84PIX

8 MP Colour in the Dark (CID) Fixed Turret Network Camera

High quality imaging with 8 MP resolution

Excellent low-light performance with *Colour in the Dark* technology

Efficient H.265+ compression technology

Clear imaging against strong back light by 120 dB true WDR technology

-U: Built-in microphone for real-time audio security

Water and dust resistant (IP67)

Focus on human and vehicle targets classification

| Camera | |
|------------------------|--|
| Image Sensor | 1/8" Progressive Scan CMOS |
| Min. Illumination | Colour: 0.003 Lux @(F1.6; AGC ON), 0 Lux with IR on |
| Shutter Speed | 1/3 ÷ 1/100,000 s |
| Slow Shutter | Yes |
| P/N | P/N |
| Wide Dynamic Range | 120 dB |
| Day & Night | IR cut filter |
| Angle Adjustment | Pan: 0° ÷ 360°, Tilt: 0° ÷ 75°, Rotate: 0° ÷ 360° |
| Lens | |
| Focal length | Fixed 2.8 mm |
| Aperture | F1.6 |
| Iris Type | Fixed |
| FOV | <i>Horizontal</i> FOV: 111° <i>Vertical</i> FOV: 59° <i>Diagonal</i> FOV: 131° |
| Lens Mount | M12 |
| DORI | |
| DORI | D: 89.2 m; O: 35.4 m; R: 17.8 m; I: 8.9 m |
| Illuminator | |
| Supplement Light Type | IR |
| Smart Supplement Light | Yes |
| IR Wavelength | 850 nm |
| IR Range | Up to 30 m |
| Video | |
| Max. Resolution | 3840 × 2160 |
| Main Stream | 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (640 × 480, 640 × 360) 60 Hz: 30 fps (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) <i>Third stream is supported under certain settings.</i> |

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|-----------------------------|---|
| Video Compression | <i>Main stream:</i> H.265/H.264/H.264+/H.265+ <i>Sub-stream:</i> H.265/H.264/MJPEG <i>Third stream:</i> H.265/H.264 <i>Third stream is supported under certain settings.</i> |
| Video Bit Rate | 32 Kbps to 16 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) | H.264 and H.265 encoding |
| Region of Interest (ROI) | 1 fixed region for main stream and sub-stream |
| Audio | |
| Audio Type | -U: mono sound |
| Audio Compression | -U: G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC |
| Audio Bit Rate | -U: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 ÷ 192 Kbps (MP2L2)/8 ÷ 320 Kbps (MP3)/16 ÷ 64 Kbps (AAC) |
| Audio Sampling Rate | -U: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Environment Noise Filtering | -U: Yes |
| Network | |
| Simultaneous Live View | Up to 6 channels |
| API | Open Network Video Interface (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, ARP |
| User/Host | Up to 32 users. 3 user levels: <i>administrator</i> , <i>operator</i> and <i>user</i> |
| Security | 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 card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Memory card encryption and health detection are supported. |
| Client | CTR-MAZi, CMS- MAZi |
| Web Browser | Plug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ |
| Image | |
| Day/Night Switch | Day, Night, Auto, Schedule |
| Image Enhancement | BLC, HLC, 3D-DNR |
| Image Parameters Switch | Yes |
| Image Settings | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser |
| SNR | ≥ 52 dB |
| Target Cropping | Yes |
| Interface | |
| Built-in Microphone | -U: yes |
| On-board Storage | Built-in micro SD/SDHC/SDXC slot, up to 256 GB |
| Hardware Reset | Yes |
| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port |
| Event | |
| Basic Event | Motion detection (human and vehicle targets classification), video tampering alarm, exception |

| | |
|----------------------------------|---|
| Smart Event | Scene change detection |
| Deep Learning Function | |
| Face Capture | Yes |
| Perimeter Protection | Line crossing detection, intrusion detection, region entrance detection, region exiting detection Supports human and vehicle targets classification |
| General | |
| Linkage Method | Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, 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, mirror, privacy mask, flash log, password reset via email, pixel counter |
| Software Reset | Yes |
| Firmware Version | V5.5.112 |
| Storage Conditions | -30 °C ÷ 60 °C (-22 °F ÷ 140 °F). Humidity 95% or less (non-condensing) |
| Startup and Operating Conditions | -30 °C ÷ 60 °C (-22 °F ÷ 140 °F). Humidity 95% or less (non-condensing) |
| Power Supply | 12 Vdc ± 25%, reverse polarity protection; PoE: 802.3af, Class 3 |
| Power Consumption and Current | 12 Vdc, 0.48 A, max. 5.8 W; PoE (802.3af, 36 ÷ 57 V), 0.19 ÷ 0.12 A, max. 6.8 W |
| Power Interface | Ø 5.5 mm coaxial power plug |
| Material | Metal |
| Dimension | <i>Camera:</i> Ø 138.3 × 126.3 mm (Ø 5.4" × 5") <i>Package:</i> 170 × 170 × 150 mm (6.9" × 6.9" × 5.9") |
| Weight | <i>Camera:</i> ~740 g (1.6 lb.) <i>With Package:</i> ~1020 g (2.2 lb.) |
| Approval | |
| 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); 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) |
| Environment | CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006) |
| Protection | IP67 (IEC 60529-2013) |

