

CMIP9243W-SZ

Platinum 4 MP 25 × IR Varifocal Bullet Network Camera



- High quality imaging with 4 MP resolution
- 25x optical zoom captures details in remote area
- Clear imaging against strong back light due to 140 dB WDR technology
- High-efficiency H.265+ compression technology to save bandwidth and storage
- Built-in gyroscope to ensure stable image output
- Water and dust resistance (IP67), vandal resistance (IK10)

Functionality

Face Recognition

With embedded deep learning-based algorithms, the camera provides the best shot of a target's face image through detecting, tracking, capturing, grading, and selecting. The camera captures a face and outputs features such as gender, age, and expression. The camera makes use of a face exposure function to dynamically adjust exposure of captured images and ensures high picture quality.

Perimeter Protection

Using embedded deep learning-based target detection and classification algorithms, the camera provides perimeter protection, monitoring activity such as line crossing, intrusion, region entrance, and region exiting. The algorithms greatly filter out the false alarms caused by falling leaves, light changes, animals, waving flags, etc.

Multi-Target-Type Recognition

This camera detects and captures faces, human bodies, and vehicles in a specified region and transmits metadata that includes gender, age, clothing color, and vehicle type.



Specifications

| Camera | |
|------------------------------|--|
| Image Sensor | 1/2.5" Progressive Scan CMOS |
| Max. Resolution | 2688 × 1520 |
| Min. Illumination | Color: 0.009 Lux @ (F1.6, AGC on), B&W: 0.0018 Lux @ (F1.6, AGC on), 0 Lux with IR |
| Shutter Time | 1 to 1/30,000 sec. |
| Day & Night | IR cut filter |
| Angle Adjustment | Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360° |
| Lens | |
| Focal Length & Field of View | 4.7 to 118 mm: Horizontal 55.8° to 2.8°, vertical 32.3° to 1.6°, diagonal 63° to 3° |
| Focus | Auto, semi-auto, manual |
| Iris Type | P-iris |
| Aperture | 4.7 to 118 mm: F1.6 to F3.8 |
| Illuminator | |
| Supplemental Light Type | IR |
| Supplemental Light Range | Up to 656 ft (200 m) |
| Smart Supplemental Lighting | Yes |
| IR Wavelength | 850 nm |
| Video | |
| Main Stream | 50 Hz: 25 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 50 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 fps (2560 × 1440, 1920 × 1080, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) |
| Third Stream | 50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) |
| Fourth Stream | 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) |
| Fifth Stream | 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) |
| Video Compression | Main stream: H.264 / H.264+ / H.265 / H.265+ Sub-stream / Fourth stream / Fifth 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) | H.264 and H.265 encoding |
| Region of Interest (ROI) | 4 fixed regions for each stream |
| Target Cropping | Yes |
| e-PTZ | Supports Patrol and Auto-tracking settings |
| Audio | |
| Audio Compression | G.711 / G.722.1 / G.726 / MP2L2 / PCM / AAC / MP3 |

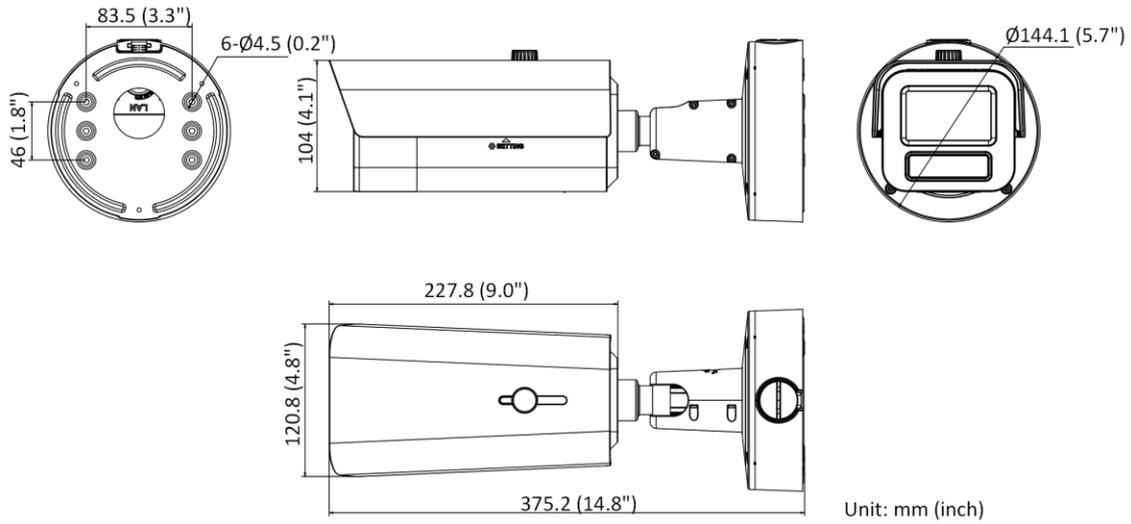
| | |
|-------------------------------|--|
| Audio Type | Mono |
| Audio Sampling Rate | 8 / 16 / 32 / 44.1 / 48 kHz |
| Environmental Noise Filtering | Yes |
| Audio Bit Rate | 64 Kbps (G.711) / 16 Kbps (G.722.1) / 16 Kbps (G.726) / 32 to 192 Kbps (MP2L2) / 16 to 64 Kbps (AAC) / 8 to 320 Kbps (MP3) |
| Network | |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS |
| Simultaneous Live View | Up to 20 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 |
| Network Storage | NAS (NFS, SMB / CIFS), auto network replenishment (ANR) |
| Web Browsers | Plug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 12+ Local service: Chrome 57.0+, Firefox 52.0+ |
| Imaging | |
| Image Parameter Switching | Yes |
| Image Settings | Saturation, brightness, contrast, sharpness, white balance, and AGC adjustable by client software or web browser |
| Day / Night Switch | Day, Night, Auto, Schedule |
| Wide Dynamic Range (WDR) | 140 dB |
| Image Enhancement | BLC, HLC, Defog, 3D DNR |
| SNR | ≥ 52 dB |
| Privacy Mask | 8 programmable polygon privacy masks, mask color or mosaic configurable |
| Picture Overlay | LOGO picture can be overlaid on video with 128 × 128 24-bit .bmp format |
| Image Stabilization | EIS (Built-in gyroscope to improve EIS performance) |
| Interface | |
| Video Output | 1 Vp-p Composite Output (75 Ω / CVBS) (Only for debugging) |
| Ethernet Interface | 1 RJ45 10/100/1000 Mbps self-adaptive Ethernet port |
| On-Board Storage | Built-in memory card slot supports MicroSD / SDHC / SDXC cards up to 1 TB |
| Audio | 1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 vpp, output impedance: 100 Ω, interface type: non-equilibrium |
| Alarm | 2 inputs, 2 outputs (max. 24 VDC, 1 A) |
| Reset Key | Yes |

| Event Types | |
|----------------------------------|---|
| Basic Events | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exceptions / anomalies (network disconnected, IP address conflict, illegal login, abnormal reboot, HDD full, HDD error), video quality diagnosis, vibration detection |
| Smart Events | Line crossing detection, intrusion detection, region entrance, region exiting (support alarm triggering by specified target types (human and vehicle)); Scene change, audio anomaly, & defocus detections |
| Linkage | Upload to FTP / NAS / memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture |
| Deep Learning Functions | |
| Multi-target-type Detections | Detects up to 60 targets simultaneously Supports simultaneous detection and capture of human bodies, faces, and vehicles Detects 7 face features, 13 human body features and 2 vehicle features |
| Face Capture | 1. Detects up to 60 faces simultaneously 2. Supports swing left and right from -60° to 60°, tilt up and down from -30° to 30° 3. Uploads face with background and closed-up face pictures |
| Face Comparison | Up to 10 face libraries. Up to 150,000 faces for each library. 150,000 faces in total. Supports face library encryption |
| General | |
| Power | 12 VDC ± 20%, 1.02 A, max. 12.22 W, two-core terminal block 24 VAC ± 20%, 0.8 A, max. 11.49 W, two-core terminal block PoE: 802.3at, Type 2, Class 4, 42.5 V to 57 V, 0.20 A to 0.26 A, max. 10.50 W |
| Materials | Aluminum alloy body |
| Dimensions | ∅ 5.7 × 14.8 in. (∅ 144.1 × 375.2 mm) |
| Package Dimensions | 16.7 × 7.5 × 7.1 in. (425 × 190 × 180 mm) |
| Weight | Approx. 4.7 lbs (2,130 g) |
| Package Weight | Approx. 7.1 lbs (3,200 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° 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 | 5 streams, heartbeat, mirror, privacy mask, flash log, password reset via email, pixel counter |
| Certifications | |
| EMC | FCC (47 CFR Part 15, Subpart B) CE-EMC (EN 55032: 2015, EN 61000-3-2:2019, EEN 61000-3-3:2013+A1:2019, EN 50130-4: 2011+A1: 2014) RCM (AS/NZS CISPR 32: 2015) IC (ICES-003: Issue 7) KC (KN 32: 2015, KN 35: 2015) |

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| Safety | <ul style="list-style-type: none"> UL (UL 62368-1) CB (IEC 62368-1:2014+A11) CE-LVD (EN 62368-1:2014/A11:2017) BIS (IS 13252(Part 1):2010/ IEC 60950-1 : 2005) LOA (IEC / EN 60950-1) |
| Environmental | <ul style="list-style-type: none"> CE-RoHS (2011/65/EU) WEEE (2012/19/EU) Reach (Regulation (EC) No 1907/2006) |
| Protections | IK10 (IEC 62262:2002), IP67 (IEC 60529-2013) |
| Other | PVC FREE |



Dimensions



Accessories (Optional)

| LTB389 | LTB388 |
|---|---|
| Corner Mount | Vertical Pole Mount |
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