

IWH-41UIW



4 MP CID Fixed Network Bullet Camera, technology Colour in the Dark (CID) provides 24/7 vivid colorful images with F1.0 advanced lenses, high performance sensors and friendly lighting.

High quality imaging with 4 MP resolution

Efficient H.265+ compression technology

Clear imaging against strong back light due to 130 dB WDR technology

Focusing on human and vehicle classification based on deep learning

24/7 colorful imaging

Camera

| | |
|--------------------|--|
| Image Sensor | 1/1.8" Progressive Scan CMOS |
| Min. Illumination | 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with Light |
| Shutter Speed | 1/3 ÷ 1/100,000 s |
| Slow Shutter | Yes |
| P/N | P/N |
| Wide Dynamic Range | 130 dB |
| Angle Adjustment | <i>Pan: 0° ÷ 360°; Tilt: 0° ÷ 90°; Rotation: 0° ÷ 360°</i> |

Lens

| | |
|----------------|--|
| Lens Type | Fixed lens, 2.8 mm |
| Aperture | F1.0 |
| FOV | <i>Horizontal field of view: 109° Vertical field of view: 55° Diagonal field of view: 138°</i> |
| Depth of Focus | 2.5 m to ∞ |
| Lens Mount | M16 |

DORI

| | |
|------|-----------------------------------|
| DORI | D: 65 m, O: 21 m, R: 13 m, I: 6 m |
|------|-----------------------------------|

Illuminator

| | |
|------------------------|------|
| White Light Range | 60 m |
| Smart Supplement Light | Yes |

Video

| | |
|-----------------------------|--|
| Max. Resolution | 2688 × 1520 |
| Main Stream | 50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub Stream | 50 Hz: 25 fps (640 × 480, 640 × 360, 320 × 240) 60 Hz: 30 fps (640 × 480, 640 × 360, 320 × 240) |
| Third Stream | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240) |
| Video Compression | <i>Main stream: H.265/H.264/H.264+/H.265+ Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264</i> |
| 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 each stream |

Image

| | |
|-------------------------|--|
| Day/Night Switch | Day, Night, Auto, Schedule |
| Image Enhancement | BLC, HLC, 3D-DNR |
| Image Parameters Switch | Yes |
| Image Setting | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser |

| Network | |
|---------------------------------------|---|
| Simultaneous Live View | Up to 6 channels |
| API | ONVIF (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, 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 1.2, WSSE and digest authentication for ONVIF |
| Network Storage | MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) |
| Client | CMS-MAZi, CTR-MAZi |
| Web Browser | Plug-in required live view: IE 8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+ |
| Interface | |
| On-board Storage | Built-in micro SD/SDHC/SDXC slot, up to 256 GB |
| Hardware Reset | Yes |
| Communication Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port |
| Smart Feature-Set | |
| Basic Event | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), scene change detection |
| Intelligent (Deep Learning Algorithm) | |
| Face Capture | Yes |
| Premier Protection | Line crossing detection, intrusion detection, region entrance detection, region exiting detection |
| General | |
| Linkage Method | Upload to NAS/memory card, 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, mirror, privacy mask, flash log, password reset via e-mail, pixel counter |
| Software Reset | Yes |
| Reset | Reset via web browser and client software |
| 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%; PoE: 802.3af |
| Power Consumption and Current | 12 Vdc, 0.7 A, max. 8.5 W PoE: (802.3af, 36 ÷ 57 V), 0.30 ÷ 0.18 A, max. 10.5 W |
| Power Interface | Ø5.5 mm coaxial power plug |
| Material | Front cover: metal Back cover: plastic |
| Screw Material | SUS304 |
| Camera Dimension | Ø105.1 × 291.2 mm (Ø4.1" × 11.5") |
| Package Dimension | 385 × 190 × 180 mm (15.2" × 7.5" × 7.1") |
| Camera Weight | Approx. 1260 g (2.8 lb.) |
| With Package Weight | Approx. 1931 g (4.3 lb.) |
| Approval | |
| Class | Class B |
| EMC | FCC SDoC (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 VoC (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, IEC 62368-1: 2014); CE-LVD (EN 60950-1: 2005 + Am 1: 2009 + Am 2: 2013, IEC 62368-1: 2014); |

Environment
 Protection

BIS (IS 13252 (Part 1): 2010+A1: 2013+A2: 2015);
 LOA (IEC/EN 60950-1)
 CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)
 Ingress protection: IP67 (IEC 60529-2013)

