

## 4MP EXIR Fixed Bullet Network Camera



- High quality imaging with 4 MP resolution
- Clear imaging against strong backlight due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Water and dust resistant (IP67)

## ▪ Specification

| Camera                      |                                                                                                                                                                                                   |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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°                                                                                                                                              |
| Lens                        |                                                                                                                                                                                                   |
| Lens Type & FOV             | 2.8 mm, horizontal FOV 103°, vertical FOV 55°, diagonal FOV 122°<br>4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100°<br>6 mm, horizontal FOV 52°, vertical FOV 28°, diagonal FOV 61° |
| Aperture                    | F1.6                                                                                                                                                                                              |
| Lens Mount                  | M12                                                                                                                                                                                               |
| DORI                        |                                                                                                                                                                                                   |
| DORI                        | 2.8 mm: D: 67 m, O: 26 m, R: 13 m, I: 6 m<br>4 mm: D: 80 m, O: 31 m, R: 16 m, I: 8 m<br>6 mm: D: 120 m, O: 47,m, R: 24,m, I: 12 m                                                                 |
| Illuminator                 |                                                                                                                                                                                                   |
| IR Range                    | Up to 40 m                                                                                                                                                                                        |
| Wavelength                  | 850 nm                                                                                                                                                                                            |
| Video                       |                                                                                                                                                                                                   |
| Max. Resolution             | 2688 × 1520                                                                                                                                                                                       |
| Main Stream                 | 50Hz: 25fps (2688 × 1520, 1920 × 1080, 1280 × 720)<br>60Hz: 30fps (2688 × 1520, 1920 × 1080, 1280 × 720)                                                                                          |
| Sub Stream                  | 50Hz: 25 fps (640 × 480, 640 × 360)<br>60Hz: 30 fps (640 × 480, 640 × 360)                                                                                                                        |
| Third Stream                | 50Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)                                                                                                |
| Video Compression           | Main stream: H.265/H.264/H.264+/H.265+<br>Sub-stream: H.265/H.264/MJPEG<br>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                                                                                                                                                     |
| Network                     |                                                                                                                                                                                                   |
| 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                                                                                                                                                                                                                      |
| 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                  | MicroSD/SDHC/SDXC card (256 GB) local storage, and NAS(NFS, SMB/CIFS), auto network replenishment (ANR)                                                                                                                                                                                                                                                 |
| Client                           | iVMS-4200, Hik-Connect, Hik-Central                                                                                                                                                                                                                                                                                                                     |
| Web Browser                      | Plug-in required live view: IE 10, IE 11<br>Plug-in free live view : Chrome 57.0+, Firefox 52.0+<br>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>                 |                                                                                                                                                                                                                                                                                                                                                         |
| On-board Storage                 | Built-in micro SD, up to 256 GB                                                                                                                                                                                                                                                                                                                         |
| Hardware Reset                   | Yes                                                                                                                                                                                                                                                                                                                                                     |
| Communication Interface          | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                                                                                                                                                                                                                                             |
| <b>Smart Feature-Set</b>         |                                                                                                                                                                                                                                                                                                                                                         |
| Basic Event                      | Motion detection (human and vehicle), video tampering alarm, exception                                                                                                                                                                                                                                                                                  |
| Smart Event                      | Line crossing detection, intrusion detection                                                                                                                                                                                                                                                                                                            |
| Face Detection                   | Yes                                                                                                                                                                                                                                                                                                                                                     |
| <b>General</b>                   |                                                                                                                                                                                                                                                                                                                                                         |
| Linkage Method                   | Upload to FTP/memory card/NAS, notify surveillance center, trigger record, trigger capture                                                                                                                                                                                                                                                              |
| Web Client Language              | 33 languages<br>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<br>PoE: (802.3af, 36 V to 57 V), Class 3                                                                                                                                                                                                                                                                      |
| Power Consumption and Current    | 12 VDC, 0.5 A, max. 6 W<br>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.)                                                                                                                                                                                                                                                                                                                                 |

|                     |                                                                                                                                                                                                                        |
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| 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)                                                                                                                                                                                                  |