

**XD-B493**

## **4 MP ColorVu Fixed Bullet Network Camera**

ColorVu



ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses and high performance sensors. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

- High quality imaging with 4 MP resolution
- 24/7 colorful imaging
- Support Human and Vehicle Detection
- Water and dust resistant (IP67)
- Efficient H.265+ compression technology

## ▪ Specification

| Camera                   |                                                                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor             | 1/3" Progressive Scan CMOS                                                                                                               |
| Max. Resolution          | 2560 × 1440                                                                                                                              |
| Min. Illumination        | Color: 0.001 Lux @ (F1.0, AGC ON), 0 Lux with light                                                                                      |
| Shutter Time             | 1/3 s to 1/100,000 s                                                                                                                     |
| Day & Night              | 24/7 color imaging                                                                                                                       |
| Angle Adjustment         | Pan: 0° to 360°, tilt: 0° to 180°, rotate: 0° to 360°                                                                                    |
| Lens                     |                                                                                                                                          |
| Lens Type                | Fixed focal lens, 4 and 6 mm optional                                                                                                    |
| Focal Length & FOV       | 4 mm, horizontal FOV: 75°, vertical FOV: 40°, diagonal FOV: 89°<br>6 mm, horizontal FOV: 49°, vertical FOV: 27°, diagonal FOV: 57°       |
| Lens Mount               | M12                                                                                                                                      |
| Iris Type                | Fixed                                                                                                                                    |
| Aperture                 | F1.0                                                                                                                                     |
| Depth of Field           | 4 mm: 2.7 m to ∞<br>6 mm: 6 m to ∞                                                                                                       |
| DORI                     |                                                                                                                                          |
| DORI                     | 4 mm, D: 82 m, O: 32 m, R: 16 m, I: 8 m<br>6 mm, D: 120 m, O: 47 m, R: 24 m, I: 12 m                                                     |
| Illuminator              |                                                                                                                                          |
| Supplement Light Type    | White Light                                                                                                                              |
| Supplement Light Range   | Up to 50 m                                                                                                                               |
| Smart Supplement Light   | Yes                                                                                                                                      |
| Video                    |                                                                                                                                          |
| Main Stream              | 50 Hz:<br>20 fps (2560 × 1440)<br>25 fps (1920 × 1080, 1280 × 720)<br>60 Hz:<br>20 fps (2560 × 1440)<br>24 fps (1920 × 1080, 1280 × 720) |
| Sub-Stream               | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 24 fps (1280 × 720, 640 × 480, 640 × 360)                                     |
| Video Compression        | Main stream: H.265+/H.265/H.264+/H.264,<br>Sub-stream: H.265/H.264/MJPEG                                                                 |
| 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                                                                                                                                 |
| Region of Interest (ROI) | 1 fixed region(s) for main stream                                                                                                        |
| Network                  |                                                                                                                                          |
| Protocols                | TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP                                                           |
| Simultaneous Live View   | Up to 6 channels                                                                                                                         |
| API                      | Open Network Video Interface (Profile S, Profile T), ISAPI, SDK                                                                          |
| User/Host                | Up to 32 users<br>3 user levels: administrator, operator, and user                                                                       |

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Security                         | Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address) |
| Client                           | iVMS-4200                                                                                                                                                                                                              |
| Web Browser                      | Plug-in required live view: IE 10, IE 11<br>Local service: Chrome 57.0+, Firefox 52.0+                                                                                                                                 |
| <b>Image</b>                     |                                                                                                                                                                                                                        |
| Wide Dynamic Range (WDR)         | 120 dB                                                                                                                                                                                                                 |
| SNR                              | ≥ 52 dB                                                                                                                                                                                                                |
| Day/Night Switch                 | Day, Night, Auto, Schedule                                                                                                                                                                                             |
| Image Enhancement                | BLC, HLC, 3D DNR                                                                                                                                                                                                       |
| Image Settings                   | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser                                                                                            |
| Privacy Mask                     | 4 programmable polygon privacy masks                                                                                                                                                                                   |
| <b>Interface</b>                 |                                                                                                                                                                                                                        |
| Ethernet Interface               | 1 RJ45 10 M/100 M self-adaptive Ethernet port                                                                                                                                                                          |
| <b>Event</b>                     |                                                                                                                                                                                                                        |
| Basic Event                      | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception                                                                                            |
| Linkage                          | Upload to FTP, send email, notify surveillance center, trigger capture                                                                                                                                                 |
| <b>General</b>                   |                                                                                                                                                                                                                        |
| Power                            | 12 VDC ± 25%, 0.4 A, max. 5 W, Ø5.5 mm coaxial power plug<br>PoE: 802.3af, Class 3, 36 V to 57 V, 0.2 A to 0.15 A, max. 6.5 W                                                                                          |
| Material                         | Front cover: metal, body: plastic, bracket: metal                                                                                                                                                                      |
| Dimension                        | 83.7 mm × 80.7 mm × 206.6 mm (3.3" × 3.2" × 8.1")                                                                                                                                                                      |
| Package Dimension                | 260 mm × 125 mm × 125 mm (10.2" × 4.9" × 4.9")                                                                                                                                                                         |
| Weight                           | Approx. 395 g (0.9 lb.)                                                                                                                                                                                                |
| With Package Weight              | Approx. 624 g (1.4 lb.)                                                                                                                                                                                                |
| 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)                                                                                                                                              |
| Language                         | English, Ukrainian                                                                                                                                                                                                     |
| General Function                 | Heartbeat, anti-banding, mirror, password protection, password reset via email                                                                                                                                         |
| <b>Approval</b>                  |                                                                                                                                                                                                                        |
| EMC                              | FCC: 47 CFR Part 15, Subpart B<br>CE-EMC: EN 55032: 2015, EN 61000-3-2: 2019, EN 61000-3-3: 2013 + A1: 2019, EN 50130-4: 2011 + A1: 2014<br>RCM: AS/NZS CISPR 32: 2015<br>KC: KN32: 2015, KN35: 2015                   |
| Safety                           | CB: IEC 62368-1: 2014 + A11<br>CE-LVD: EN 62368-1: 2014/A11: 2017                                                                                                                                                      |
| Environment                      | CE-RoHS: 2011/65/EU<br>WEEE: 2012/19/EU<br>Reach: Regulation (EC) No 1907/2006                                                                                                                                         |
| Protection                       | IP67: IEC 60529-2013                                                                                                                                                                                                   |

## ▪ Dimension

