

# KX-A2013N3-V-A

## 2MP Entry IR Fixed-focal Bullet Network Camera

Design and specifications are subject to change without notice. Pictures in the document are for reference only, and the actual product shall prevail.



- 2-MP 1/2.8" CMOS image sensor, low luminance, and high-definition image.
- Outputs max. 2 MP (1920 × 1080)@25/30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in IR LED, and the max. illumination distance is 50 m.
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Built in MIC.
- 12 VDC/PoE power supply, easy for installation.
- IP67 protection



| Camera                     |   |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
|----------------------------|---|--------------------|-------------------|-------------------|------------------|----------|--------|--------------------|-------------------|-------------------|------------------|------|--------------------|--------------------|-------------------|------------------|
| Image Sensor               | 1/2.8" CMOS   |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| Max. Resolution            | 1920 (H) × 1080 (V)   |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| ROM                        | 16 MB   |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| RAM                        | 64 MB   |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| Scanning System            | Progressive   |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| Electronic Shutter Speed   | Auto/Manual 1/3 s–1/100,000 s   |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| Min. Illumination          | 0.01 lux@F2.0 (Color, 30 IRE)<br>0.001 lux@F2.0 (B/W, 30 IRE)<br>0 lux (Illuminator on)   |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| S/N Ratio                  | > 56 dB   |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| Illumination Distance      | 50 m (164.04 ft)  |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| Illuminator On/Off Control | Auto; Manual  |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| Illuminator Number         | 4 (IR LED)  |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| Lens                       |   |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| Lens Type                  | Fixed-focal   |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| Lens Mount                 | M12   |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| Focal Length               | 3.6 mm; 6 mm  |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| Max. Aperture              | F2.0  |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| Field of View              | 3.6 mm: H: 83°; V: 44°; D: 99°<br>6 mm: H: 53°; V: 30°; D: 60°  |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| Iris Control               | Fixed   |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| Close Focus Distance       | 3.6 mm: 0.9 m (2.95 ft)<br>6 mm: 2.2 m (7.22 ft)  |                    |                   |                   |                  |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
| DORI Distance              | <table border="1"> <thead> <tr> <th>Lens</th> <th>Detect</th> <th>Observe</th> <th>Recognize</th> <th>Identify</th> </tr> </thead> <tbody> <tr> <td>3.6 mm</td> <td>53.7 m (176.18 ft)</td> <td>21.5 m (70.54 ft)</td> <td>10.7 m (35.10 ft)</td> <td>5.4 m (17.72 ft)</td> </tr> <tr> <td>6 mm</td> <td>82.8 m (271.65 ft)</td> <td>33.1 m (108.60 ft)</td> <td>16.6 m (54.46 ft)</td> <td>8.3 m (27.23 ft)</td> </tr> </tbody> </table> | Lens               | Detect            | Observe           | Recognize        | Identify | 3.6 mm | 53.7 m (176.18 ft) | 21.5 m (70.54 ft) | 10.7 m (35.10 ft) | 5.4 m (17.72 ft) | 6 mm | 82.8 m (271.65 ft) | 33.1 m (108.60 ft) | 16.6 m (54.46 ft) | 8.3 m (27.23 ft) |
|                            | Lens  | Detect             | Observe           | Recognize         | Identify         |          |        |                    |                   |                   |                  |      |                    |                    |                   |                  |
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| Video              |   |
|--------------------|---|
| Video Compression  | H.265; H.264; H.264B; MJPEG(Only supported by the sub stream)   |
| Smart Codec        | Smart H.265+; Smart H.264+  |
| Video Frame Rate   | Main stream: 1920 × 1080@(1–25/30 fps)<br>Sub stream: 704 × 576@(1–25 fps)/704 × 480@(1–30 fps)<br>*The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity |
| Stream Capability  | 2 streams   |
| Resolution         | 1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)   |
| Bit Rate Control   | CBR/VBR   |
| Video Bit Rate     | H.264: 32 kbps–6144 kbps;<br>H.265: 32 kbps–6144 kbps   |
| Day/Night          | Auto (ICR)/Color/B/W  |
| BLC                | Yes   |
| WDR                | DWDR  |
| White Balance      | Auto; natural; street lamp; outdoor; manual; regional custom  |
| Gain Control       | Auto  |
| Noise Reduction    | 3D NR   |
| Motion Detection   | OFF/ON (4 areas, rectangular)   |
| Smart Illumination | Yes   |
| Image Rotation     | 0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower)   |
| Mirror             | Yes   |
| Privacy Masking    | 4 areas   |
| Audio              |   |
| Built-in MIC       | Yes   |
| Audio Compression  | G.711a; G.711Mu; G.726; PCM   |

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| Alarm               |   |
|---------------------|---|
| Alarm Event         | Network disconnection; IP conflict; illegal access; motion detection; security exception; input exception; intensity change   |
| Network             |   |
| Network Port        | RJ-45 (10/100 Base-T)   |
| SDK and API         | Yes   |
| Cyber Security      | Configuration encryption; trusted execution; Digest; security logs; trusted upgrade; WSSE; trusted boot; account lockout; generation and importing of X.509 certification; video encryption |
| Network Protocol    | IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP  |
| Interoperability    | ONVIF (Profile S); CGI  |
| User/Host           | 6 (Total bandwidth: 36 M)   |
| Storage             | FTP   |
| Browser             | IE<br>Chrome<br>Firefox   |
| Management Software | KBiVMS, KBView Plus   |
| Mobile Client       | iOS; Android  |
| Power               |   |
| Power Supply        | 12 VDC/PoE  |
| Power Consumption   | Basic: 1.2 W (12 VDC); 2.0 W (PoE)<br>Max. (ICR Switch + H.265 + IR intensity): 3.2 W (12 VDC); 4.4 W (PoE)   |

| Environment           |   |
|-----------------------|---|
| Operating Temperature | -40 °C to +60 °C (-40 °F to +140 °F)                                |
| Operating Humidity    | ≤ 95%   |
| Protection            | IP67  |
| Structure             |   |
| Casing                | Metal + plastic   |
| Product Dimensions    | 178.5 mm × 94.0 mm × 88.5 mm (7.03" × 3.70" × 3.48")<br>(L × W × H) |
| Net Weight            | 0.49 kg (1.08 lb)   |
| Gross Weight          | 0.85 kg (1.87 lb)   |
| Dimensions (mm[inch]) |   |

