

KX-DAi2203N

2MP Pro AI IR Bullet Network Camera



- 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- H.265 & H.264 triple-stream encoding
- 25/30 fps@1080P (1920 × 1080)
- WDR (120 dB), Day/Night (ICR), 3D DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, CMS (DSS/PSS) & DMSS
- 2.8 mm fixed lens (3.6 mm, 6.0 mm, 8.0 mm, 12.0 mm optional)
- Max. IR LEDs Length 80 m
- Micro SD memory, IP67,IK10



| Technical Specification | | | | | |
|--------------------------|---|-------------|------------|------------|-----------|
| Camera | | | | | |
| Image Sensor | 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS | | | | |
| Effective Pixels | 1920 (H) × 1080 (V) | | | | |
| RAM/ROM | 512 MB/128 MB | | | | |
| Scanning System | Progressive | | | | |
| Electronic Shutter Speed | Auto/Manual, 1/3 s–1/100000 s | | | | |
| Minimum Illumination | 0.002 Lux@F1.6 | | | | |
| IR Distance | Distance up to 80 m (262 ft) | | | | |
| IR On/Off Control | Auto/Manual | | | | |
| IR LEDs | 4 | | | | |
| Lens | | | | | |
| Lens Type | Fixed-focal | | | | |
| Mount Type | Board-in | | | | |
| Focal Length | 2.8 mm, 3.6 mm, 6.0 mm, 8.0 mm, 12.0 mm | | | | |
| Max. Aperture | F1.6 (2.8 mm–8.0 mm), F2.0 (12.0 mm) | | | | |
| Angle of View | H: 106°, V: 57°/H: 87°, V: 46°/H: 53°, V: 30°/H: 41°, V: 23°/H: 26°, V: 14° | | | | |
| Aperture Type | Fixed | | | | |
| Close Focus Distance | 0.6 m (1.97 ft)/1.2 m (3.94 ft)/2.5 m (8.20 ft)/4 m (13.12 ft)/8.6 m (28.22 ft) | | | | |
| DORI Distance | Lens | Detect | Observe | Recognize | Identify |
| | 2.8mm | 39m(128ft) | 15m(49ft) | 8m(26ft) | 4m(13ft) |
| | 3.6mm | 55m(180ft) | 22m(72ft) | 11m(36ft) | 6m(20ft) |
| | 6mm | 83m(272ft) | 33m(108ft) | 17m(56ft) | 8m(26ft) |
| | 8mm | 110m(361ft) | 44m(144ft) | 22m(72ft) | 11m(36ft) |
| | 12mm | 172m(564ft) | 69m(226ft) | 35m(115ft) | 17m(56ft) |
| Pan/Tilt/Rotation | | | | | |

| Pan/Tilt/Rotation Range | Pan: 0°–360°; Tilt: 0°–90°; Rotation: 0°–360° |
|-------------------------|---|
| Artificial Intelligence | |
| Face Detection | Support face image capture |
| Perimeter Protection | Tripwire, intrusion (Recognition of vehicle and people), fast moving, loitering detection, parking detection and people gathering |
| People Counting | Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection |
| General Intelligence | |
| Event Trigger | Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly |
| General Intelligence | Object Abandoned/Missing |
| Heat Map | Yes |
| Video | |
| Compression | H.265, H.264, H.264B, H.264H, MJPEG (sub stream) |
| Smart Codec | Yes |
| Streaming Capability | 3 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) |
| Frame Rate | Main Stream: 1080P (1 fps–25/30 fps) Sub Stream: D1 (1 fps–25/30 fps) Third Stream: 1080P (1 fps–6 fps) |
| Bit Rate Control | CBR/VBR |
| Bit Rate | H.264: 32 Kbps–8192 Kbps H.265: 19 Kbps–7424 Kbps |
| Day/Night | Auto(ICR)/Color/B/W |
| BLC Mode | BLC/HLC/WDR (120 dB) |
| White Balance | Auto/Natural/Street Lamp/Outdoor/Manual |

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| | |
|--------------------------------------|---|
| Gain Control | Auto/Manual |
| Noise Reduction | 3D DNR |
| Motion Detection | Off/On (4 Zone, Rectangle) |
| Region of Interest | Off/On (4 Zone) |
| Electronic Image Stabilization (EIS) | N/A |
| Smart IR | Yes |
| Defog | Yes |
| Flip | 0°/90°/180°/270° |
| Mirror | Off/On |
| Privacy Masking | Off/On (4 Area, Rectangle) |
| Audio | |
| Compression | N/A |
| Network | |
| Ethernet | RJ-45 (10/100 Base-T) |
| Protocol | IPv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCP;RTMP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;QoS;UPnP;NTP;Multicast;CMP;IGMP;NFS;PPPoE;802.1x;SNMP |
| Interoperability | ONVIF (Profile S/Profile G/Profile T), CGI, Milestone, Genetec, P2P |
| Streaming Method | Unicast/Multicast |
| Max. User Access | 20 Users |
| Edge Storage | NAS;FTP;SFTP Micro SD card 256 GB |
| Web Viewer | IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12) |
| Management Software | KBiVMS, KBiVMS Pro, KBView, KBView Plus |
| Smart Phone | iOS, Android |
| Interface | |
| Audio Interface | N/A |

| | |
|------------------------------|---|
| RS485 | N/A |
| Alarm | N/A |
| Electrical | |
| Power Supply | DC 12V (±30%), PoE (802.3af) (Class 0) |
| Power Consumption | <8.3W |
| Environmental | |
| Operating Conditions | -30° C to +60° C (-22° F to +140° F)/Less than 95% RH |
| Storage Conditions | -30° C to +60° C (-22° F to +140° F) |
| Ingress Protection | IP67 |
| Vandal Resistance | IK10 |
| Construction | |
| Casing | Metal |
| Dimensions | 244.1 mm × 79.0 mm × 75.9 mm (9.61" × 3.11" × 2.99") |
| Net Weight | 0.815 kg (1.80 lb) |
| Gross Weight | 1.08 kg (2.38 lb) |
| Dimensions (mm[inch]) | |

