

# KX-CAi4205MN

## 4MP IR Bullet Network Camera



- 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- Outputs max. 4MP (2688 × 1520)@30 fps
- Built-in IR LED, max. IR distance: 60 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- WDR, 3D DNR, HLC, BLC
- Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)
- Abnormality detection: Motion detection, video tampering, scene changing, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- Supports max. 256 G Micro SD card
- 12V DC/POE, IP67, IK10(optional), SMD Plus



### Technical Specification

#### Camera

|                            |   |
|----------------------------|---|
| Image Sensor               | 1/3"4Megapixel progressive CMOS               |
| Max. Resolution            | 2688 (H) ×1520 (V)                            |
| ROM                        | 128 MB  |
| RAM                        | 512 MB  |
| Scanning System            | Progressive                                   |
| Electronic Shutter Speed   | Auto/Manual 1/3 s–1/100000 s                  |
| Min. Illumination          | 0.005 Lux@F1.5                                |
| S/N Ratio                  | > 56 dB                                       |
| Illumination Distance      | 60 m (197 ft)                                 |
| Illuminator On/Off Control | Auto/Manual                                   |
| Illuminator Number         | 4 (IR LED)                                    |
| Pan/Tilt/Rotation Range    | Pan: 0°–360°; Tilt: 0°–90°; Rotation: 0°–360° |

#### Lens

|                      |   |
|----------------------|---|
| Lens Type            | Motorized vari-focal  |
| Mount Type           | φ14   |
| Focal Length         | 2.7 mm–13.5 mm  |
| Max. Aperture        | F1.5  |
| Field of View        | Horizontal: 104°–27°<br>Vertical: 55°–15°<br>Diagonal: 124°–31° |
| Iris Type            | Fixed   |
| Close Focus Distance | 0.8 m (2.6 ft)  |

|               |      |                     |                     |                     |                    |
|---------------|------|---------------------|---------------------|---------------------|--------------------|
| DORI Distance | Lens | Detect              | Observe             | Recognize           | Identify           |
|               | W    | 64.0 m<br>(210.0ft) | 25.6 m<br>(84.0 ft) | 12.8 m<br>(42.0 ft) | 6.4 m<br>(21.0 ft) |

|   |                       |                     |                      |                     |
|---|-----------------------|---------------------|----------------------|---------------------|
| T | 222.0 m<br>(728.3 ft) | 88.8m<br>(291.3 ft) | 44.4 m<br>(145.7 ft) | 22.2 m<br>(72.8 ft) |
|---|-----------------------|---------------------|----------------------|---------------------|

#### Professional, Intelligent

|                      |   |
|----------------------|---|
| Perimeter Protection | Tripwire; intrusion (Recognition of human and vehicle)  |
| Intelligent Search   | Work together with Smart NVR to perform refine intelligent search, event extraction and merging to event videos |

#### Video

|                   |   |
|-------------------|---|
| Video Compression | H.265; H.264; H.264H; H.264B; MJPEG(only supported by sub stream)   |
| Smart Codec       | Smart H.265+/ Smart H.264+  |
| Video Frame Rate  | Main stream (2688 × 1520@1–25/30 fps)<br>sub stream (704 × 576@1–25 fps/704 × 480@1–30 fps)<br>third stream (1280 × 720@1–25/30 fps)                                |
| Stream Capability | 3 streams   |
| Resolution        | 4M (2688 × 1520); 3M (2304 × 1296); 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: 3 Kbps–8192 Kbps<br>H.265: 3 Kbps–8192 Kbps  |
| Day/Night         | Auto(ICR)/Color/B/W   |
| BLC               | Yes   |
| HLC               | Yes   |
| WDR               | 120 dB  |
| White Balance     | Auto/natural/street lamp/outdoor/manual/regional custom   |
| Gain Control      | Auto/Manual   |
| Noise Reduction   | 3D DNR  |
| Motion Detection  | OFF/ON (4 areas, rectangular)   |

# KX-CAi4205MN

## 4MP IR Bullet Network Camera

|                         |  |
|-------------------------|--|
| Region of Interest(RoI) | Yes (4 areas)  |
| Smart Illumination      | Yes  |
| Image Rotation          | 0°/90°/180°/270° (Support 90°/270° with 1920 × 1080 resolution and lower.)   |
| Mirror                  | Yes  |
| Privacy Masking         | 4 areas  |
| <b>Alarm</b>            |  |
| Alarm Event             | No SD card; SD card full; SD card error; less service time of SD card (smart card supports); network disconnection; IP conflict; illegal access; voltage detection; security exception; motion detection; scene changing; intensity change; tripwire; intrusion; SMD |
| <b>Network</b>          |  |
| Network                 | RJ-45 (10/100 Base-T)  |
| SDK and API             | Yes  |
| Protocol                | IPv4;IPv6;HTTP;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCP;RTMP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;QoS;UPnP;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMP   |
| Interoperability        | ONVIF(Profile S/Profile G);CGI;P2P;Milestone;Genetec   |
| Scene Self-adaptation   | Yes  |
| User/Host               | 20 (Total bandwidth: 64 M)   |
| Storage                 | FTP; SFTP; Micro SD Card (support max. 256 G); KBVISION Cloud; NAS   |
| Browser                 | IE: IE8, IE9, IE11<br>Chrome<br>Firefox  |
| Management Software     | KBiVMS, KBiVMS Pro, KBView, KBView Plus  |
| Mobile Phone            | IOS; Android   |
| <b>Power</b>            |  |

|                              |  |
|------------------------------|--|
| Power Supply                 | 12V DC/PoE (802.3af)   |
| Power Consumption            | < 9.8W   |
| <b>Environment</b>           |  |
| Operating Conditions         | -30°C to +60°C (-22°F to +140°F)/less than 95%                   |
| Storage Conditions           | -40°C to +60°C (-40°F to +140°F)                                 |
| Protection Grade             | IP67   |
| <b>Structure</b>             |  |
| Casing                       | Metal  |
| Dimensions                   | 244.1 mm × 79.0 mm × 75.9 mm (9.6" × 3.1" × 3.0")<br>(L × W × H) |
| Net Weight                   | 820 g (1.8lb)  |
| Gross Weight                 | 1090 g (2.4lb)   |
| <b>Dimensions (mm[inch])</b> |  |

