

KX-E0505FN2

5MP IR Fisheye 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.



- 5MP, 1/2.7" CMOS image sensor, low illuminance, high image definition
- Outputs max. 5MP (2592 × 1944) @25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in efficient IR illuminator, and the max. illumination distance: 10 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- 120dB WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Intelligent detection: Intrusion, tripwire, people counting in area
- Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, and voltage detection
- Alarm: 1 in, 1 out; audio: 1 in, 1 out; supports max. 256 G Micro SD card, built-in Mic
- 12V DC/PoE power supply, easy for installation
- Heat map for people counting. You can adjust the number of people, time threshold to generate a heat map, which can be exported.



| Camera | | | | |
|----------------------------|--|------------------|-----------------|----------------|
| Image Sensor | 1/2.7"5Megapixel progressive CMOS | | | |
| Max. Resolution | 2592 (H) × 1944 (V) | | | |
| ROM | 128 MB | | | |
| RAM | 512 MB | | | |
| Scanning System | Progressive | | | |
| Electronic Shutter Speed | Auto/Manual 1/3 s–1/100,000 s | | | |
| Min. Illumination | 0.006 Lux @F2.0 | | | |
| S/N Ratio | > 56 dB | | | |
| Illumination Distance | 10 m (32.8 ft) | | | |
| Illuminator On/Off Control | Auto/Manual | | | |
| Illuminator Number | 3 (IR LED) | | | |
| Lens | | | | |
| Lens Type | Fixed-focal | | | |
| Mount Type | M12 | | | |
| Focal Length | 1.4 mm | | | |
| Max. Aperture | F2.0 | | | |
| Field of View | Horizontal: 180° Vertical: 180° Diagonal: 180° | | | |
| Iris Type | Fixed | | | |
| Close Focus Distance | 0.2 m (0.7 ft) | | | |
| DORI Distance | Detect | Observe | Recognize | Identify |
| | 28 m (91.9 ft) | 11.2 m (36.7 ft) | 5.6 m (18.4 ft) | 2.8 m (9.2 ft) |

| Smart Event | |
|----------------------------|--|
| Heat Map | Yes |
| Professional, intelligent | |
| IVS (Perimeter Protection) | Tripwire; intrusion |
| People Counting | Support people counting in area, and displaying and outputting yearly/monthly/daily reports (matching devices are needed); support people counting in 4 areas |
| 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 the sub stream) |
| Smart Codec | Smart H.265+/ Smart H.264+ |
| Video Frame Rate | Main stream (2592 × 1944 @1–25/30 fps) Sub stream (704 × 576 @1–25 fps/704 × 480 @1–30 fps) Third stream (1280 × 720 @1–25/30 fps) |
| Stream Capability | 3 streams |
| Resolution | 5M (2592 × 1944); 3M (2048 × 1536); UXGA (1600 × 1200); 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 H.265: 3 kbps–8192 kbps |
| Day/Night | Auto (ICR)/Color/B/W |
| BLC | Yes |

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| | |
|--------------------------|---|
| HLC | Yes |
| WDR | 120 dB |
| Scene Self-adaptation | Yes |
| White Balance | Auto/natural/street lamp/outdoor/manual/regional custom |
| Gain Control | Auto/Manual |
| Noise Reduction | 3D DNR |
| Motion Detection | OFF/ON (4 areas) |
| Region of Interest (RoI) | Yes (4 areas) |
| Smart Illumination | Yes |
| Privacy Masking | 4 areas |
| Audio | |
| Built-in MIC | Yes |
| Audio Compression | PCM; G.711a; G.711Mu; G726; AAC |
| Alarm | |
| Alarm Event | No SD card; SD card full; SD card error; service life warning; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; scene changing; audio detection; voltage detection; external alarm; people counting in area; stay alarm; people counting; people No. exception detection; safety exception |
| Network | |
| 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/Profile T); CGI; Milestone; Genetec; P2P |
| User/Host | 20 (Total bandwidth: 64 M) |
| Storage | FTP; SFTP; Micro SD card (support max. 256 G); NAS |

| | |
|------------------------------|--|
| Browser | IE: IE8, IE9 and IE11 Chrome Firefox |
| Management Software | KBiVMS, KBView, KBView Plus |
| Mobile Phone | IOS; Android |
| Port | |
| Audio Input | 1 channel (RCA port) |
| Audio Output | 1 channel (RCA port) |
| Alarm Input | 1 channel in: 5mA 3V–5V DC |
| Alarm Output | 1 channel out: 300mA 12V DC |
| Power | |
| Power Supply | 12V DC/PoE |
| Power Consumption | Basic power consumption: 3.6W (12V DC); 4.4W (PoE) Max. power consumption (H.265 + IR on + intelligent function + WDR): 7.3W (12V DC); 8.8W (PoE) |
| Environment | |
| Operating Conditions | -10°C to +50°C (14°F to +122°F)/Less than 95% RH |
| Storage Conditions | -40°C to +60°C (-40°F to +140°F) |
| Structure | |
| Casing | Metal + plastic |
| Dimensions | 44.6 mm × Φ126.2 mm (1.8" × Φ5.0") |
| Net Weight | 299 g (0.7 lb) |
| Gross Weight | 441 g (1.0 lb) |
| Dimensions (mm[inch]) | |

