

KX-CDAF4093ZN3-B

4MP Lite Full-color Fixed-focal Bullet IP Camera

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



- 4MP, 1/3" CMOS image sensor, low illuminance, high image definition
- Outputs 4MP (2560 × 1440) @ 25/30 fps, Max. supports 4MP (2688 × 1520) @ 20 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in warm lights, max. illumination distance: 45 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
- Intelligent detection: Intrusion, tripwire
- 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
- Alarm: 2 in, 2 out; audio: 1 in, 1 out; supports max. 256 GB Micro SD card
- 12V DC/PoE power supply; 12V DC power output, max. current 165mA
- IP67 protection
- Support Ryder technology



| Camera | |
|----------------------------|---|
| Image Sensor | 1/3" 4Megapixel progressive CMOS |
| Max. Resolution | 2688 (H) × 1520 (V) |
| ROM | 128 MB |
| RAM | 128 MB |
| Scanning System | Progressive |
| Electronic Shutter Speed | Auto/Manual 1/3 s–1/100,000 s |
| Minimum Illumination | 0.003 Lux@F1.0 |
| S/N Ratio | > 56 dB |
| Illumination Distance | 45 m (147.6 ft) |
| Illuminator On/Off Control | Auto/Manual |
| Illuminator Number | 2 (Warm light) |
| Lens | |
| Lens Type | Fixed-focal |
| Mount Type | M12 |
| Focal Length | 3.6 mm 6 mm |
| Max. Aperture | 3.6 mm: F1.0 6 mm: F1.0 |
| Field of View | 3.6 mm: Horizontal 91° × Vertical 47° × Diagonal 109° 6 mm: Horizontal 55° × Vertical 30° × Horizontal 64° |
| Iris Type | Fixed |
| Close Focus Distance | 3.6 mm: 1.8 m (5.9 ft) 6 mm: 4.5 m (14.8 ft) |

| DORI Distance | Lens | Detect | Observe | Recognize | Identify |
|-----------------------|--|-------------------|------------------|------------------|-----------------|
| | 3.6 mm | 72.0 m (236.2 ft) | 28.8 m (94.5 ft) | 14.4 m (47.2 ft) | 7.2 m (23.6 ft) |
| 6 mm | 120.0m (393.7 ft) | 48.0m (157.5 ft) | 24.0 m (78.7 ft) | 12.0 m (39.4 ft) | |
| Smart event | | | | | |
| General IVS Analytics | Tripwire; intrusion | | | | |
| 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: 2688 × 1520 (1 fps–20 fps) 2560 × 1440 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–20/25 fps) 704 × 480 (1 fps–20/30 fps) | | | | |
| Stream Capability | 2 streams | | | | |
| Resolution | 2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 2304 × 1296 (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: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps | | | | |
| Day/Night | Color/B/W | | | | |
| BLC | Yes | | | | |
| HLC | Yes | | | | |
| WDR | 120 dB | | | | |
| White Balance | Auto/natural/street lamp/outdoor/manual/regional custom | | | | |

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| | |
|-------------------------|---|
| Gain Control | Auto/Manual |
| Noise Reduction | 3D NR |
| Motion Detection | OFF/ON (4 areas, rectangular) |
| Region of Interest(Roi) | Yes (4 areas) |
| Smart Illumination | Yes |
| Image Rotation | 0°/90°/180°/270° (Support 90°/270° with 2688×1520 resolution and lower.) |
| Mirror | Yes |
| Privacy Masking | 4 areas |
| Audio | |
| Audio Compression | G.711A; G.711Mu; G.726 |
| Alarm | |
| Alarm Event | No SD card; SD card full; SD card error; network disconnection; IP conflict; motion detection; video tampering; tripwire; intrusion; illegal access; voltage detection; audio detection; safety exception |
| Network | |
| Network | RJ-45 (10/100 Base-T) |
| SDK and API | Yes |
| Cyber Security | Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade |
| Protocol | IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP ; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; Bonjour |
| Interoperability | ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec |
| User/Host | 20 (Total bandwidth: 72 M.) |
| Storage | FTP; Micro SD card (support max. 256 G); NAS; SFTP |
| Browser | IE Chrome Firefox |
| Management Software | KBiVMS, KBView Plus |
| Mobile Phone | IOS; Android |

| | |
|------------------------------|---|
| Port | |
| Audio Input | 1 channel (RCA port) |
| Audio Output | 1 channel (RCA port) |
| Alarm Input | 2 channels in: 5mA 3V-5V DC |
| Alarm Output | 2 channels out: 300mA 12V DC |
| Power | |
| Power Supply | 12V DC/PoE (802.3af) |
| Power Consumption | <10.2W |
| Environment | |
| Operating Conditions | -40°C to +60°C (-40°F to +140°F)/less than ≤ 95% RH |
| Storage Temperature | -40°C to +60°C (-40°F to +140°F) |
| Protection Grade | IP67 |
| Structure | |
| Casing | Metal + plastic |
| Dimensions | 194.1 mm × 96.4 mm × 89.5 mm (7.6" × 3.8" × 3.5") (L × W × H) |
| Net Weight | 0.725 kg (1.6 lb) |
| Gross Weight | 1.215 kg (2.7 lb) |
| Dimensions (mm[inch]) | |

