

KX-FAi4014SN

4MP Dual-Lens Network Camera

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- 4-MP 1/2.8" CMOS image sensor, low luminance, and high-definition image.
- Outputs max. 4 MP (2560 × 1440) @25/30 fps.
- Built-in IR LED, and the max. illumination distance is 20 m.
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- People counting: Queue management, people counting in area, entry/ exit/pass number counting, and it can output daily/monthly/yearly report.
- Alarm: 2 in, 2 out; audio: 2 in, 1 out; 485, BNC, supports max. 512 G Micro SD card; built in MIC and speaker.
- 12 VDC/PoE power supply, 12 VDC power output, and max. current 165 mA, easy for installation.
- IP67and IK10 protection.
- Supports altitude self-adaptive, which adapts the altitude and angle of installation to improve the detection effect of people.
- Supports crowd detection and leave post detection.



Camera	
Image Sensor	1/2.8"4Megapixel progressive CMOS
Max. Resolution	2560 (H) × 1440 (V)
ROM	4GB
RAM	1GB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	2.0 mm: 0.007 lux@F2.0 (Color, 30 IRE) 0.0007 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on) 2.8 mm: 0.005 lux@F1.6 (Color, 30 IRE) 0.0005 lux@F1.6 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	>56 dB
Illumination Distance	20 m (65.62 ft) (IR LED)
Illuminator On/Off Control	Auto
Illuminator Number	1 (IR LED)
Pan/Tilt/Rotation Range	Tilt: -10° to 70°
Lens	
Lens Type	Fixed-focal
Lens Mount	M12
Focal Length	2.0 mm; 2.8 mm
Max. Aperture	2.0 mm: F2.0 2.8 mm: F1.6

Field of View	2.0 mm: Horizontal: 122°; Vertical: 72°; Diagonal: 141° 2.8 mm: Horizontal: 95°; Vertical: 52°; Diagonal: 114°				
Iris Control	Fixed				
Close Focus Distance	2.0 mm: 0.5 m (1.64 ft) 2.8 mm: 1.1 m (3.61 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.0 mm	44.8 m (146.98 ft)	17.9 m (58.73 ft)	9.0 m (29.52 ft)	4.5 m (14.76 ft)
	2.8 mm	63.6 m (208.66 ft)	25.4 m (83.33 ft)	12.7 m (41.63 ft)	6.4 m (21.00 ft)
Smart Event					
IVS	Abandoned object; missing object				
Professional, intelligent					
IVS (Perimeter Protection)	Intrusion, tripwire, fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection, people gathering, and parking detection				
Face Detection	Face detection; track; snapshot; snapshot optimization; optimal face snapshot upload; face enhancement; face exposure; face attributes extraction including 6 attributes (gender, age, glasses, expressions, mask, and beard) and 8 expressions (angry, sad, disgusted, scared, surprised, calm, happy, confused); face snapshot set as face or one-inch photo; snapshot strategies (real-time snapshot, quality priority and optimization snapshot); face angle filter; optimization time setting				
People Counting	Tripwire people counting, drawing polygonal lines for tripwire, generating and exporting report (day/week/month/year); People counting in area, generating and exporting report (day/week/month);				

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	Queue management, generating and exporting report (day/week/month); 4 rules can be set for tripwire, people counting in area and queue management; Supports crowd detection; Supports intelligence trajectory.
Abnormal Behavior Analysis	Leave post detection which triggers alarms when no one is in the detection area, personnel have left their post or there is an abnormal number of people on duty in the detection area. Supports setting up to 20 personnel on duty at the same time.
Smart 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: 2560 × 1440 @ (1–25/30 fps) Sub stream: 704 × 576 @ (1–25 fps)/704 × 480 @ (1–30 fps) Third stream: 1920 × 1080 @ (1–25/30 fps)
Stream Capability	3 streams
Resolution	4 M (2560 × 1440); 3 M (2048 × 1536/2304 × 1296); 1080p (1920 × 1080); 1.3 M (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–8192 kbps H.265: 12 kbps–8192 kbps
Day/Night	Auto (ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	120 dB
Scene Self-adaptation (SSA)	Yes
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom
Gain Control	Auto
Noise Reduction	3D NR
Motion Detection	OFF/ON (4 areas, rectangular)
Region of Interest (RoI)	Yes (4 areas)
Smart Illumination	Yes
Defog	Yes
Privacy Masking	4 areas
Audio	
Built-in MIC	Yes
Built-in Speaker	Yes
Audio Compression	PCM; G.711a; G.711Mu; G.726; G.723

Alarm	
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; tripwire; intrusion; fast moving; abandoned object; missing object; loitering detection; people gathering; parking detection; scene changing; audio detection; voltage detection; external alarm; face detection; In Area No.; stay alarm; people counting; abnormal number of people detection; security exception
Network	
Network Port	RJ-45 (10/100/1000 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
Network 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; SNMP; P2P
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI
User/Host	20 (Total bandwidth: 64 M)
Storage	FTP; SFTP; Micro SD card (support max. 512 GB); NAS
Browser	IE: IE 9 and later Chrome Firefox Safari: Safari 12 and later
Management Software	KBView Plus, KBiVMS
Mobile Client	iOS; Android
Port	
RS-485	1 (baud rate range: 1200 bps–115200 bps)
Audio Input	2 channels (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	2 channels in: 5 mA 3 V–5 VDC
Alarm Output	2 channels out: 300 mA 12 VDC
Analog Output	1 channel (CVBS output: BNC)
Power	
Power Supply	12 VDC/PoE (802.3af)
Power Consumption	Basic: 4 W (12 VDC); 6.4 W (PoE) Max. (H.265+main stream/IR intensity+IR on): 11.3 W (12 VDC); 12.9 W (PoE)
Environment	
Operating Temperature	–40 °C to +60 °C (–40 °F to +140 °F)
Operating Humidity	≤95%
Storage Temperature	–40 °C to +60 °C (–40 °F to +140 °F)
Protection	IP67; IK10

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Structure	
Casing	Metal
Product Dimensions	204.0 mm × 78.0 mm × 61.6 mm (8.03" × 3.07" × 2.43") (L × W × H)
Net Weight	0.82 kg (1.81 lb)
Gross Weight	1.18 kg (2.60 lb)
Dimensions (mm[inch])	

