KBVISION

KX-FAi3014SN-AB

3MP Dual-Lens Stereo Analysis Network Camera

·3MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
·Outputs max. 3MP (2048 × 1536) @30 fps
·ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
·Stereo analysis: Fall detection, people approaching detection, people No. error, stay detection, and violence detection
·Alarm: 2 in, 2 out; audio: 2 in, 1 out; 485; BNC; supports max. 256 G
·Micro SD card, built-in Mic and speaker. Siren active deterrence, built-in 8 voices, and user can import custom voices.
·12V DC/PoE power supply
·IP67, IK10 protection

Camera	
Image Sensor	1/2.8"3Megapixel progressive CMOS
Max. Resolution	2048 (H) × 1536 (V)
ROM	4 GB
RAM	2 GB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.005 Lux@F1.6 (Color,30IRE) 0.0005 Lux@F1.6 (B/W,30IRE) 0 Lux (Illuminator on)
S/N Ratio	>56 dB
Illumination Distance	20 m (IR) (65.6 ft)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	1 (IR LED)
Pan/Tilt/Rotation Range	Tilt: 0°–70°

Lens	
Lens Type	Fixed-focal
Mount Type	M12
Focal Length	2.8 mm; 3.6 mm
Max. Aperture	2.8 mm: F1.6 3.6 mm: F1.6
Field of View	2.8 mm: Horizontal 96° × Vertical 70° × Diagonal 128° 3.6 mm: Horizontal 79° × Vertical 57° × Diagonal 104°
Iris Type	Fixed
Close Focus Distance	2.8 mm: 0.7 m (2.3 ft) 3.6 mm: 1.3 m (4.3 ft)

DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	44.8 m (147 ft)	17.9 m (58.7 ft)	9.0 m (29.5 ft)	4.5 m (14.8 ft)
	3.6mm	64.0 m (210.0 ft)	25.6 m (84.0 ft)	12.8 m (42.0 ft)	6.4 m (21.0 ft)

Smart Event	
IVS	Abandoned object; missing object

Professional, intelligent	
IVS (Perimeter Protection)	Tripwire, intrusion, fast moving (the three functions support the classification and accurate detection of vehicle and human), loitering detection, people gathering, parking detection
Face Detection	Face detection; track; optimization; snapshot; report high quality picture; face enhancement; face exposure; face attribute extract, 6 attributes and 5 expressions: Gender, age, glasses, expressions (anger, calm, happiness, sadness, surprise), mask, beard; face matting setting: face, single inch photo; three snapshot methods: real-time snapshot, optimization snapshot, quality priority; face angle filter; optimization time setting
Stereo Analysis	Fall detection; people approaching detection; people No. error; stay detection; violence detection
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.264+ Smart H.265+
Video Frame Rate	Main stream: 3MP (1–25/30 fps) Sub stream: D1 (1–25/30 fps) Third stream: 2MP (1–25/30 fps) Fourth stream: 2MP (1–25/30 fps) Fifth stream: D1 (1–25/30 fps)
Stream Capability	5 streams
Resolution	3M (2048 × 1536); 1080p (1920 × 1080); 720p (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240); 640 × 480 (VGA)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 3 kbps–17664 kbps H.265: 3 kbps–17664 kbps

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

Day/Night	Auto (ICR)/Color/B/W
BLC	Yes
HLC	Yes
WDR	DWDR
White Balance	Auto/natural/street lamp/outdoor/manual/regional custom
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
Defog	Yes
Privacy Masking	4 areas
Audio	
Built-in MIC	Yes
Audio Compression	G.711a; G.711Mu; G.726; G.723
Built-in Speaker	Yes
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; people counting exception detection; fall detection; people approaching detection; violence detection; stay 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; HTTPS; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; SAMBA; PPPoE; 802.1x; SNMP; Bonjour
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P; RTMP
User/Host	20
Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS
Browser	IE9; IE11; FireFox; Chrome
Management Software	KBiVMS, KBView Plus

Mobile Phone	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: 5mA 3V–5V DC
Alarm Output	2 channels out: 1,000mA 30V DC/500mA 50V DC
Power	
Power Supply	12V DC/PoE; ePoE
Power Consumption	Basic power consumption: 3.5W (12V DC); 4.4W (PoE) Max. power consumption (ICR switch + IR full intensity + WDR + Intelligent functions enabled): 9.1W (12V DC); 10.6W (PoE)
Environment	
Operating Conditions	-40°C to +60°C/Less than 95% RH
Storage Temperature	−40°C to +60°C (−40°F to +140°F)
Ingress Protection	IP67; IK10
Structure	
Casing	Metal
Dimensions	204.0 mm × 78.0 mm × 61.5 mm (8.0" × 3.1" × 2.4") (L × W × H)
Net Weight	0.81 kg (1.8 lb)
Gross Weight	1.19 kg (2.6 lb)
Dimensions (mm [inch])	