

# KX-FMAi2014N-A

## 2MP Mobile Fixed-focal Dome 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.



- 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- SMART H.264+/H.265+ triple-stream encoding
- 25/30 fps @ 1080p (1920 × 1080)
- WDR (120 dB), Day/Night (ICR), 3D DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, KBiVMS, KBView Plus
- 2.8 mm fixed-focal lens (3.6 mm, 6.0 mm, 8.0mm optional)
- Max. IR LEDs Distance: 30 m
- Micro SD memory, IP67, IK10



Camera	
Image Sensor	1/2.8"2Megapixel progressive CMOS
Max. Resolution	1920 (H) × 1080 (V)
ROM	128 MB
RAM	512 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.002 Lux @ F1.6
S/N Ratio	> 56 dB
Illumination Distance	30 m (98.4 ft)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	8(IR)
Pan/Tilt/Rotation Range	Pan: -30° to 30° Tilt: 0° to 80° Rotation: 0° to 360°
Lens	
Lens Type	Fixed-focal
Mount Type	M12
Focal Length	2.8 mm; 3.6 mm; 6 mm; 8 mm
Max. Aperture	2.8 mm: F1.6 3.6 mm: F1.6 6 mm: F1.6 8 mm: F2.0
Field of View	2.8 mm: Horizontal 106° × Vertical 56° × Diagonal 126° 3.6 mm: Horizontal 87° × Vertical 46° × Diagonal 104° 6 mm: Horizontal 54° × Vertical 29° × Diagonal 63° 8 mm: Horizontal 40° × Vertical 22° × Diagonal 47°
Iris Type	Fixed
Close Focus Distance	2.8 mm: 0.6 m (2.0 ft) 3.6 mm: 1.0 m (3.3 ft) 6 mm: 2.5 m (8.2 ft) 8 mm: 3.4 m (11.2 ft)

	Lens	Detect	Observe	Recognize	Identify
DORI Distance	2.8mm	38.6 m (126.6 ft)	15.4 m (50.5 ft)	7.7 m (25.3 ft)	3.9 m (12.8 ft)
	3.6mm	49.7 m (163.1 ft)	19.9 m (65.3 ft)	9.9 m (32.5 ft)	5.0 m (16.4 ft)
	6 mm	82.8 m (271.7 ft)	33.1 m (108.6 ft)	16.6 m (54.5 ft)	8.3 m (27.2 ft)
	8 mm	110.3 m (361.9 ft)	44.1 m (144.7 ft)	22.1 m (72.5 ft)	11.0 m (36.1 ft)
Smart Event					
IVS	Abandoned object; missing object				
Heat Map	Yes				
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 matting setting: Face, single inch photo; three snapshot methods: Real-time snapshot, optimization snapshot, quality priority; face angle filter; optimization time setting				
People Counting	Support the counting of enter number and leave number, and displaying and outputting yearly/monthly/weekly/daily reports. Support the counting of number in area, and 4 rules configuration. Count number of people or stay time and link alarm. Support queue management, and 4 rules configuration. Count number of people or stay time and link alarm.				
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+				

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Video Frame Rate	Main stream: 1080p (1–25/30 fps) Sub stream: D1 (1–25/30 fps) Third stream: 1080p (1–25/30 fps)
Stream Capability	3 streams
Resolution	1080p (1920 × 1080); 720p (1280 × 720); D1 (704 × 576/704 × 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	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, rectangular)
Region of Interest (RoI)	Yes (4 areas)
Smart Illumination	Yes
Defog	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower.)
Mirror	Yes
Privacy Masking	4 areas
<b>Audio</b>	
Built-in MIC	Yes
Audio Compression	G.711a; G.711Mu; G.726; AAC; G.723
<b>Alarm</b>	
Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; illegal access; motion detection; video tampering; scene changing; intrusion; tripwire; abandoned object; missing object; fast moving; parking detection; loitering detection; people gathering; audio detection; people counting; face detection; voltage detection; People counting in area; Stay alarm; People No. exception detection; Queue Management

<b>Network</b>	
SDK and API	Yes
Network	RJ-45 (10/100 Base-T)
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
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; Milestone; Genetec; P2P
User/Host	20 (Total bandwidth: 80 M.)
Storage	FTP; SFTP; Micro SD card (support max. 256 G); NAS
Browser	IE: IE8 and later Chrome Firefox Safari: Safari12 and later
Management Software	KBiVMS, KBView Plus
Mobile Phone	iOS; Android
<b>Power</b>	
Power Supply	12V DC/ PoE (802.3af)
Power Consumption	<5.3W
<b>Environment</b>	
Operating Conditions	–40°C to +60°C (–40°F to +140°F)/less than 95% RH
Storage Conditions	–40°C to +60°C (–40°F to +140°F)
Protection Grade	IP67; IK10
<b>Structure</b>	
Casing	Metal
Dimensions	55.0 mm × Φ108.9 mm (2.2" × Φ4.3")
Net Weight	380 g (0.8 lb)
Gross Weight	520 g (1.1 lb)
<b>Dimensions (mm[inch])</b>	

