

# KX-A2112CN3

## 2 MP Lite Fixed-Focal Eyeball 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.



- 2-MP 1/2.8" CMOS image sensor, low illuminance, high image definition.
- Outputs max. 2 MP (1920 × 1080) @25/30 fps.
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in efficient IR illuminator, and the max. illumination distance is 30 m.
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
- Rotation mode, DWDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Abnormality detection: Motion detection, video tampering, network disconnection, IP conflict, and illegal access.
- 12 VDC/PoE power supply.
- IP67 protection.

Camera											
Image Sensor	1/2.8" CMOS										
Pixel	2MP										
Max. Resolution	1920 (H) × 1080 (V)										
ROM	16 MB										
RAM	64 MB										
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100 000 s										
Scanning System	Progressive										
Min. Illumination	Color: 0.01 Lux@F2.0 B/W: 0.001 Lux@F2.0 0Lux (Illuminator on)										
S/N Ratio	>56 dB										
Illumination Distance	UP to 30 m (98.4 ft) (IR)										
Illuminator On/Off Control	Auto/Manual										
Illuminator Number	2 (IR LED)										
Pan/Tilt/Rotation Range	Pan: 0° – 360° Tilt: 0° – 78° Rotation: 0° – 360°										
Lens											
Lens Type	Fixed-focal										
Lens Mount	M12										
Focal Length	2.8 mm										
Max. Aperture	2.8 mm: F2.0										
Field of View	2.8 mm: Horizontal: 102°; Vertical: 54°; Diagonal: 120°										
Iris Control	Fixed										
Close Focus Distance	2.8 mm: 0.5 m (1.6 ft)										
DORI Distance	<table border="1"> <thead> <tr> <th>Lens</th> <th>Detect</th> <th>Observe</th> <th>Recognize</th> <th>Identify</th> </tr> </thead> <tbody> <tr> <td>2.8 mm</td> <td>38.6 m (126.6 ft)</td> <td>15.4 m (50.5 ft)</td> <td>7.7 m (25.3 ft)</td> <td>3.9 m (12.8 ft)</td> </tr> </tbody> </table>	Lens	Detect	Observe	Recognize	Identify	2.8 mm	38.6 m (126.6 ft)	15.4 m (50.5 ft)	7.7 m (25.3 ft)	3.9 m (12.8 ft)
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Video	
Compression	H.265; H.264; H.264B; H.264H; MJPEG (Only supported by the sub stream)
Smart Codec	Smart H.265+; Smart H.264+
Streaming Capability	2 streams
Resolution	1080P (1920 × 1080); 960P (1280 × 960); 720P (1280 × 720)
Video Frame Rate	Main stream: 1920 × 1080@1–25/30 fps Sub stream: 704 × 576@1–25 fps 704 × 480@1–30 fps *The values above are the max. frame rates of each stream; for multiple streams, the values will be subjected to the total encoding capacity.
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps
Day/Night	Auto (ICR)/Color/B/W
BLC	Support
WDR	DWDR
HLC	Support
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
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower)
Mirror	Yes
Privacy Masking	4 areas

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Alarm	
Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; video tampering; security exception
Network	
Ethernet	RJ-45 (10/100Base-T)
SDK and API	Yes
Cyber Security	Video encryption; Configuration encryption; Digest; WSSE; Account lockout; Security logs; Generation and importing of X.509 certification; Trusted boot; Trusted upgrade; Trusted execution
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP
Interoperability	ONVIF Profile S; CGI; P2P
User/Host	6 (total bandwidth 36 MB)
Storage	FTP
Browser	IE7; Chrome; Firefox
Management Software	KBiVMS, KBView, KBView Plus
Mobile Phone	IOS, Android
Power	
Power Supply	12 VDC/PoE (802.3af)
Power Consumption	Basic: 1.3 W (12 VDC); 2.1 W (PoE) Max. (ICR + H.265+IR intensity): 2.6 W (12 VDC); 3.5 W (PoE)

Environment	
Operating Temperature	-40 °C to +55 °C (-40 °F to +131 °F)
Operating Humidity	≤ 95%RH
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Protection	IP67
Structure	
Casing	Platic
Dimensions	103.2 mm × Φ109.9 mm (4.06" × Φ4.33")
Net Weight	0.26 kg (0.57 lb)
Gross Weight	0.42 kg (0.93 lb)
Dimensions (mm[inch])	

