

KX-A4112N3-A

4 MP Entry IR Fixed-focal Eyeball 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.



- 4-MP 1/2.7" Sony NIR image sensor, low luminance, and high definition image.
- Outputs 4 MP (2560 × 1440) @25/30 fps, and supports max. 4MP(2688 × 1520)@20fps
- H.265 codec, high compression rate, ultra-low bit rate.
- Built-in IR LED, 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, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
- Abnormality detection: Motion detection, video tampering, network disconnection, IP conflict, audio detection and illegal access.
- Built-in MIC.
- 12 VDC/PoE power supply.
- IP67 protection.



Camera	
Image Sensor	1/2.7" Sony NIR 4-MP
Max. Resolution	2688 (H) × 1520 (V)
ROM	16 MB
RAM	128 MB
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Scanning System	Progressive
Min. Illumination	0.03 lux@F2.0 (Color, 30 IRE) 0.003 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	30 m (98.43 ft) (IR)
Illuminator On/Off Control	Auto; manual
Illuminator Number	1 (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; 3.6mm
Max. Aperture	2.8 mm: F2.0 3.6 mm: F2.0
Field of View	2.8 mm: Horizontal: 104°; Vertical: 58°; Diagonal: 124° 3.6 mm: Horizontal: 88°; Vertical: 48°; Diagonal: 103°
Close Focus Distance	2.8 mm: 0.7 m (2.30ft) 3.6 mm: 1.2 m (3.94ft)
Iris Control	Fixed

	Lens	Detect	Observe	Recognize	Identify
DORI Distance	2.8 mm	56.0 m (183.73 ft)	22.4 m (73.49 ft)	11.2 m (36.75 ft)	5.6 m (18.37 ft)
	3.6 mm	76.0 m (249.34 ft)	30.4 m (99.74 ft)	15.2 m (49.87 ft)	7.6 m (24.93 ft)
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+				
Streaming 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)				
Video Frame Rate	Main stream: 2688 × 1520 (1 fps–20 fps) 2560 × 1440 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–20/25fps) 704 × 480 (1 fps–20/30fps) *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	Yes				
WDR	120 dB				
HLC	Yes				
White Balance	Auto; natural; street lamp; outdoor; manual; regional custom				

KX-A4112N3-A

4 MP Entry IR Fixed-focal Eyeball 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.

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	
Built-in MIC	Yes
Audio Compression	G.711A; G.711Mu; G.726
Alarm	
Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; video tampering; audio detection; security exception
Network	
Network Port	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 execution; trusted upgrade
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; SMTP; FTP; DHCP; DNS; DDNS; NTP; Multicast
Interoperability	ONVIF (Profile S/Profile T); CGI; P2P; Genetec
Streaming Method	Unicast/Multicast
User/Host	6 (total bandwidth 36 MB)
Storage	FTP
Browser	IE Chrome Firefox

Management Software	KBiVMS, KBVIEW Plus
Mobile Phone	iOS, Android
Power	
Power Supply	12 VDC/PoE (802.3af)
Power Consumption	Basic: 1.9 W (12 VDC); 2.9 W (PoE) Max. (ICR + H.265 + IR intensity): 3.8 W (12 VDC); 5 W (PoE)
Environment	
Operating Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Operating Humidity	≤ 95%RH
Storage Temperature	-40 °C to +60 °C (-40 °F to +140 °F)
Protection	IP67
Structure	
Casing	Metal + Plastic
Product Dimensions	85.5 mm × Φ109 mm (3.37" × Φ4.29")
Net Weight	0.25 kg (0.6 lb)
Gross Weight	0.37 kg (0.8 lb)
Dimensions (mm[inch])	

