KX-A2003N3-A

2MP General Bullet 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 luminance, and high definition image.
· Outputs max. 2 MP (1920 × 1080)@25 fps.
· H.265 codec, high compression rate, ultra-low bit rate.
· Built-in IR LED, and the max. illumination distance is 80 m.
· Rotation mode, WDR, 3D NR, HLC, BLC, digital watermarking, applicable to various monitoring scenes.
· ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments.
· Built in MIC.
· 12 VDC/PoE power supply, easy for installation.
· IP67 protection.

Camera

Image Sensor	1/2.8" CMOS
Max. Resolution	1920 (H) × 1080 (V)
ROM	16 MB
RAM	64 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s
Min. Illumination	0.01 lux@F2.0 (Color, 30 IRE) 0.001 lux@F2.0 (B/W, 30 IRE) 0 lux (Illuminator on)
S/N Ratio	>56 dB
Illumination Distance	80 m (262.47 ft) (IR)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	2 (IR LED)

Lens

Lens Type	Fixed-focal
Lens Mount	M12
Focal Length	3.6 mm
Max. Aperture	F2.0
Field of View	Horizontal: 88°; Vertical: 47°; Diagonal: 104°
Iris Control	Fixed
Close Focus Distance	0.9 m (2.95 ft)

DORI Distance	Detect	Observe	Recognize	Identify
	52.4 m (171.92 ft)	21.0 m (68.90 ft)	10.5 m (34.45 ft)	5.2 m (17.06 ft)

Video

Video Compression	H.265; H.264; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H.265+/Smart H.264+

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.
Stream Capability	2 streams
Resolution	1080p (1920 × 1080); 1.3M (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–6144 kbps H.265: 12 kbps–6400 kbps
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
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

Audio

Built-in MIC	Yes
Audio Compression	G.711a; G.711Mu; G.726

Alarm

KBVISION

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Alarm Event	Network disconnection; IP conflict; illegal access; motion detection; audio exception; video tampering; security exception
Network	
Network Port	RJ-45 (10/100 Base-T)
SDK and API	Yes
Cyber Security	Configuration encryption; trusted execution; Digest; security logs; trusted upgrade; WSSE; trusted boot; account lockout; generation and importing of X.509 certification; video encryption
Network Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; NTP; Multicast; ICMP; IGMP
Interoperability	ONVIF (Profile S); CGI
User/Host	6 (Total bandwidth: 36 M)
Storage	FTP
Browser	IE Chrome Firefox
Management Software	KBiVMS, KBView Plus
Mobile Client	IOS; Android
Power	
Power Supply	12V DC/PoE
Power Consumption	Basic: 1.3 W (12 VDC); 1.9 W (PoE) Max. (ICR Switch + H.265 + IR intensity): 5.1 W (12 VDC); 5.8 W (PoE)
Environment	
Operating Conditions	-40°C to +60°C (-40°F to +140°F)/less than ≤ 95%

Storage Temperature	-40°C to +70°C (-40°F to +158°F)
Protection	IP67
Structure	
Casing	Metal + plastic
Product Dimensions	194.4 mm × 96.9 mm × 92.8 mm (7.65" × 3.81" × 3.65") (L × W × H)
Net Weight	0.47 kg (1.03 lb)
Gross Weight	0.84 kg (1.85 lb)
Dimensions (mm[inch])	