

KX-CD2003AN3

2MP Network Camera



- Intelligent detection: Intrusion, tripwire
- 2MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- Outputs max. 2MP (1920 × 1080) @25/30 fps
- H.265 codec, high compression rate, ultra-low bit rate
- Built-in LEDs, max. illumination distance: 80 m
- ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
- Rotation mode, WDR, 3D DNR, HLC, BLC, digital watermarking, applicable to various monitoring scenes
- Abnormality detection: Motion detection, video tampering, scene changing, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- Alarm: 2 in, 2 out; audio: 1 in, 1 out; supports max. 512 GB Micro SD card
- 12V DC/PoE power supply; 12V DC power output, max. current 165mA
- IP67 protection, support Ryder technology, lightning protection 4,5kV



Technical Specification

Camera

Image Sensor	1/2.8"2Megapixel progressive CMOS
Max. Resolution	1920 (H) × 1080 (V)
ROM	128 MB
RAM	128 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Min. Illumination	0.002Lux@F1.6
S/N Ratio	>56 dB
Illumination Distance	up to 80m
Illuminator On/Off Control	Auto/Manual
Illuminator Number	2 (IR LED)

Lens

Lens Type	Fixed-focal				
Mount Type	M12				
Focal Length	3.6 mm; 6 mm				
Max. Aperture	3.6 mm: F1.6 6 mm: F1.6				
Field of View	3.6 mm: Horizontal 87° × Vertical 46° × Diagonal 104° 6 mm: Horizontal 54° × Vertical 28° × Diagonal 63°				
Iris Type	Fixed				
Close Focus Distance	3.6 mm: 1.2m (3.9ft) 6 mm: 2.5m (8.2ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	3.6mm	55.2 m (181.1 ft)	22.1 m (72.5 ft)	11.0 m (36.1 ft)	5.5 m (18.0 ft)
	6mm	82.8 m (271.7 ft)	33.1 m (108.6 ft)	16.6 m (54.5 ft)	8.3m (27.2 ft)

Smart Event

IVS	Tripwire; intrusion
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Video

Video Compression	H.265; H.264; H.264B; MJPEG (only supported by the sub stream)
Smart Codec	Smart H265+/ Smart H264+
Video Frame Rate	Main stream: 1920 × 1080 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–25 fps) 704 × 480 (1 fps–30 fps)
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–6144 kbps
Day/Night	Color/B/W

BLC	Yes
HLC	Yes
WDR	120 dB
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
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1080p resolution and lower.)
Mirror	Yes
Privacy Masking	4 areas

Audio

Audio Compression	G.711A; G.711Mu; G.726; AAC
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Alarm

Alarm Event	No SD card; SD card full; SD card error; network disconnection; IP conflict; motion detection; video tampering; tripwire; intrusion; illegal access; voltage detection; audio detection; safety exception; local alarm
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Network

Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
Protocol	HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP; SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; QoS; UPnP; NTP; RTMP; Multicast; HTTPS; SFTP; 802.1x; ICMP; IGMP
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
User/Host	20 (Total bandwidth: 64 M)
Storage	FTP; Micro SD card (support max. 512 G); NAS; SFTP
Browser	IE Chrome Firefox
Mobile Phone	iOS; Android

Port

Audio Input	1 channel (RCAport)
Audio Output	1 channel (RCAport)
Alarm Input	2 channels in: 5mA 3V–5V DC
Alarm Output	2 channels out: 300mA 12V DC

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Power

Power Supply	12V DC/PoE (802.3af)
Power Consumption	<9.9W

Environment

Operating Conditions	-40°C to +60°C (-40°F to +140°F)/Operating Humidity (non condensing): 95%
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Protection Grade	IP67

Structure

Casing	Metal + plastic
Dimensions	194.1 mm × 96.4 mm × 89.5 mm (7.6" × 3.8" × 3.5") (L × W × H)
Net Weight	0.725 kg (1.6 lb)
Gross Weight	1.215 kg (2.7 lb)

Dimensions (mm[inch])

