

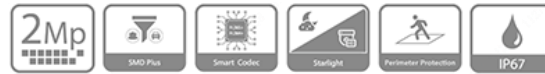
# KX-CAi2203N-B

## 2MP IR Fixed focal Bullet 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.



- 2MP, 1/2.8" CMOS image sensor, low illuminance, high image definition
- Outputs max. 2MP (1920 × 1080)@30 fps
- H.265 codec, high compression rate, low bit rate
- Built-in IR LED, max. IR 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
- Intelligent detection: Intrusion, tripwire (support the classification and accurate detection of vehicle and human)
- Abnormality detection: Motion detection, video tampering, scene changing, audio detection, no SD card, SD card full, SD card error, network disconnection, IP conflict, illegal access, voltage detection
- Alarm: 2 in, 2 out; Audio: In, out; supports max. 256 G Micro SD card
- 12V DC/PoE power supply, 12V power output, max. current 165mA
- IP67 protection
- SMD Plus



Camera	
Image Sensor	1/2.8" 2Megapixel progressive CMOS
Max. Resolution	1920 (H) ×1080 (V)
ROM	128 MB
RAM	256 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s
Min. Illumination	0.002 Lux@F1.6 (Color, 30IRE) 0.0002 Lux@F1.6 (B/W, 30IRE) 0 Lux (Illuminator on)
S/N Ratio	> 56 dB
Illumination Distance	80 m (262.5 ft)
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; 8 mm; 12 mm
Max. Aperture	3.6 mm, 6 mm, 8 mm: F1.6 12 mm: F2.0
Field of View	3.6 mm: Horizontal: 87°; vertical: 46°; diagonal: 104° 6 mm: Horizontal: 54°; vertical: 29°; diagonal: 63° 8 mm: Horizontal: 41°; vertical: 22°; diagonal: 47° 12 mm: Horizontal: 26°; vertical: 14°; diagonal: 30°
Iris Type	Fixed

Close Focus Distance	3.6 mm: 1.2 m (3.9 ft) 6 mm: 2.5 m (8.2 ft) 8 mm: 4 m (13.1 ft) 12 mm: 8.6 m (28.2 ft)				
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)	8.3 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)
	12 mm	172.4 m (565.6 ft)	69.0 m (226.4 ft)	34.5 m (116.1 ft)	17.3 m (56.8 ft)
Professional, Intelligent					
Perimeter Protection	Tripwire; intrusion (Recognition of human and vehicle)				
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+				
Video Frame Rate	Main stream (1920 × 1080@1–25/30 fps) sub stream(704 × 576@1–25 fps/704 × 480@1–30 fps) third stream(1280 × 720@1–25/30 fps)				
Stream Capability	3 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)				

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Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 3 Kbps–8192 Kbps H.265: 3 Kbps–8192 Kbps
Day/Night	Auto(ICR)/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(Rol)	Yes (4 areas)
Smart Illumination	Yes
Image Rotation	0°/90°/180°/270° (Support 90°/270° with 1920 × 1080 resolution and lower.)
Mirror	Yes
Privacy Masking	4 areas
<b>Audio</b>	
Audio Compression	G.711a; G.711Mu; G726
<b>Alarm</b>	
Alarm Event	No SD card; SD card full; SD card error; less service time of SD card (smart card supports); network disconnection; IP conflict; illegal access; voltage detection; security exception; motion detection; video tampering; scene changing; input abnormal; intensity change; tripwire; intrusion; SMD
<b>Network</b>	
Network	RJ-45 (10/100 Base-T)
SDK and API	Yes
Protocol	IPv4; IPv6; HTTP; TCP; UDP; ARP; RTP; RTSP; RTCP; RTMP; SMTP; FTP; SFTP; DHCP; DNS; DDNS; QoS; UPnP; NTP; Multicast; ICMP; IGMP; NFS; PPPoE; SNMP
Cyber Security	Video encryption; firmware encryption; configuration encryption; Digest; WSSE; account lockout; security logs; IP/MAC filtering; generation and importing of X.509 certification; syslog; HTTPS; 802.1x; trusted boot; trusted execution; trusted upgrade
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
Scene Self-adaptation (SSA)	Yes
User/Host	20 (Total bandwidth: 64 M)
Storage	FTP; SFTP; Micro SD Card (support max. 256 G); NAS
Browser	IE: IE8, IE9, IE11

	Chrome Firefox
Management Software	KBiVMS, KBView Plus
Mobile Phone	IOS; Android
<b>Port</b>	
Audio Input	1 channel (RCA port)
Audio Output	1 channel (RCA port)
Alarm Input	2 channels in: 5mA 3V–5V DC
Alarm Output	2 channels out: 300mA 12V DC
<b>Power</b>	
Power Supply	12V DC/PoE (802.3af)
Power Consumption	<11W
<b>Environment</b>	
Operating Conditions	-40°C to +60°C (-40°F to +140°F)/less than 95%
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Protection Grade	IP67
<b>Structure</b>	
Casing	Metal + Plastic
Dimensions	194.4 mm × 96.6 mm × 89.5 mm (7.7" × 3.8" × 3.5") (L × W × H)
Net Weight	755g (1.7 lb)
Gross Weight	875g (1.9 lb)
<b>Dimensions (mm[inch])</b>	

