

# KX-CAi4203N-B

## 4MP IR Bullet Network Camera



4MP, 1/3" Sony Starvis image sensor, low illuminance, high image definition

Outputs max. 4MP (2688 × 1520)@30 fps

Built-in IR LED, max. IR distance: 80 m

ROI, SMART H.264+/H.265+, flexible coding

WDR, 3D DNR, HLC, BLC

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, IP67, SMD Plus



Technical Specification											
<b>Camera</b>											
Image Sensor	1/3" 4Megapixel progressive Sony Starvis										
Max. Resolution	2688 (H) ×1520 (V)										
ROM	128 MB										
RAM	512 MB										
Scanning System	Progressive										
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100000 s										
Min. Illumination	0.005 Lux@F1.6										
S/N Ratio	> 56 dB										
Illumination Distance	80 m (262.5 ft)										
Illuminator On/Off Control	Auto/Manual										
IR LEDs Number	2 (IR LED)										
<b>Lens</b>											
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: 84°; vertical: 45°; diagonal: 100° 6 mm: Horizontal: 52°; vertical: 28°; diagonal: 61° 8 mm: Horizontal: 40°; vertical: 23°; diagonal: 45° 12 mm: Horizontal: 24°; vertical: 14°; diagonal: 29°										
Iris Type	Fixed										
Close Focus Distance	3.6 mm: 1.6 m (5.2 ft) 6 mm: 3.2 m (10.5 ft) 8 mm: 4.5 m (14.8 ft) 12 mm: 10.3 m (33.8 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>3.6mm</td> <td>80.0 m</td> <td>32.0 m</td> <td>16.0 m</td> <td>8.0 m</td> </tr> </tbody> </table>	Lens	Detect	Observe	Recognize	Identify	3.6mm	80.0 m	32.0 m	16.0 m	8.0 m
Lens	Detect	Observe	Recognize	Identify							
3.6mm	80.0 m	32.0 m	16.0 m	8.0 m							

		(262.5 ft)	(105.0 ft)	(52.5 ft)	(26.3 ft)
	6mm	120.0 m (393.7 ft)	48.0 m (157.5 ft)	24.0 m (78.7 ft)	12.0 m (39.4ft)
	8 mm	160.0 m (524.9 ft)	64.0 m (210.0 ft)	32.0 m (105.0 ft)	16.0 m (52.5 ft)
	12 mm	240 m (787.4 ft)	96 m (315.0 ft)	48 m (157.5 ft)	24 m (78.7 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 (2688 × 1520@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	4M (2688 × 1520); 3M (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)
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

# KX-CAi4203N-B

## 4MP IR Bullet Network Camera

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 1920 × 1080 resolution and lower.)
Mirror	Yes
Privacy Masking	4 areas
<b>Audio</b>	
Audio Compression	G.711a; G.711Mu; G726; AAC
<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;HTTPS;TCP;UDP;ARP;RTP;RTSP;RTCP;RTMP;SMTP;FTP;SFTP;DHCP;DNS;DDNS;QoS;UPnP;NTP;Multicast;ICMP;IGMP;NFS;PPPoE;802.1x;SNMP
Interoperability	ONVIF(Profile S/Profile G);CGI;P2P;Milestone;Genetec
Scene Self-adaptation	Yes
User/Host	20 (Total bandwidth: 64 M)
Storage	FTP; SFTP; Micro SD Card (support max. 256 G); KBVISION Cloud; NAS
Browser	IE: IE8, IE9, IE11 Chrome Firefox
Management Software	KBiVMS, KBiVMS Pro, KBView, 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	<11.6W
<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>	

