

KX-CDAF2093ZN3-B

2MP Lite Full-color Bullet Network



2MP, 1/2.8" CMOS image sensor, low illuminance, high image definition

Outputs max. 2MP (1920 × 1080) @25/30 fps

Built-in warm lights, max. illumination distance: 40 m

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

WDR, 3D DNR, HLC, BLC

Intelligent detection: Intrusion, tripwire

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. 256 GB Micro SD card

12V DC/PoE, 12V DC power output, IP67 protection



Camera																
Image Sensor	1/2.8" 2Megapixel progressive CMOS															
Max. Resolution	1920 (H) × 1080 (V)															
ROM	128 MB															
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Scanning System	Progressive															
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s															
Minimum Illumination	0.0017 Lux@F1.0															
S/N Ratio	> 56 dB															
Illumination Distance	40 m (131.2 ft)															
Illuminator On/Off Control	Auto/Manual															
Illuminator Number	2 (Warm light)															
Lens																
Lens Type	Fixed-focal															
Mount Type	φ14															
Focal Length	3.6 mm 6 mm															
Max. Aperture	3.6 mm: F1.0 6 mm: F1.0															
Field of View	3.6 mm: 91° (Horizontal) × 47° (Vertical) × 109° (Diagonal) 6 mm: 55° (Horizontal) × 30° (Vertical) × 64° (Diagonal)															
Iris Type	Fixed															
Close Focus Distance	3.6 mm: 1.3 m (4.3 ft) 6 mm: 3.4 m (11.2 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>3.6 mm</td> <td>49.7 m (163.1 ft)</td> <td>19.9 m (65.3 ft)</td> <td>9.9 m (32.5 ft)</td> <td>5.0 m (16.4 ft)</td> </tr> <tr> <td>6 mm</td> <td>82.8 m (271.7 ft)</td> <td>33.1 m (108.6 ft)</td> <td>16.6 m (54.5 ft)</td> <td>8.3 m (27.2 ft)</td> </tr> </tbody> </table>	Lens	Detect	Observe	Recognize	Identify	3.6 mm	49.7 m (163.1 ft)	19.9 m (65.3 ft)	9.9 m (32.5 ft)	5.0 m (16.4 ft)	6 mm	82.8 m (271.7 ft)	33.1 m (108.6 ft)	16.6 m (54.5 ft)	8.3 m (27.2 ft)
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Smart event	
General IVS Analytics	Tripwire; intrusion
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 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° (Supports 90°/270° with 1080p resolution and lower)
Mirror	Yes

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Privacy Masking	4 areas
Audio	
Audio Compression	G.711A; G.711Mu; G.726; AAC
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
Network	
Network	RJ-45 (10/100 Base-T)
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; Bonjour
Interoperability	ONVIF (Profile S/Profile G/Profile T); CGI; P2P; Milestone; Genetec
User/Host	20 (Total bandwidth: 72 M.)
Storage	KBVISION Cloud; FTP; Micro SD card (support max. 256 G); NAS; SFTP
Browser	IE Chrome Firefox
Management Software	KBiVMS, KBiVMS Pro, KBView, KBView Plus
Mobile Phone	IOS; Android
Port	
Audio Input	1 channel (RAC port)
Audio Output	1 channel (RAC port)
Alarm Input	2 channels in: 5mA 3V–5V DC
Alarm Output	2 channels out: 300mA 12V DC
Power	
Power Supply	12V DC/PoE (802.3af)

Power Consumption	< 10W
Environment	
Operating Conditions	-40°C to +60°C (-40°F to +140°F)/less than ≤ 95% RH
Storage Temperature	-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)	

