

KX-CWF4023TBN-B

4MP Lite Full-color Bullet Network Camera



- 4MP, 1/3" Sony Starvis image sensor, low illuminance, high image definition
- Outputs 4MP (2560 × 1440) @ 25/30 fps, 4MP (2688 × 1520) @ 20 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 power supply; 12V DC power output, max. current 165mA
- IP67 protection, support Ryder technology



Technical Specification

Camera

Image Sensor	1/3" 4 Megapixel Sony Starvis
Max. Resolution	2688 (H) × 1520 (V)
ROM	128 MB
RAM	128 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual 1/3 s–1/100,000 s
Minimum Illumination	0.004 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: 1.8 m (5.9 ft) 6 mm: 4.5 m (14.8 ft)				
	Lens	Detect	Observe	Recognize	Identify
DORI Distance	3.6 mm	72.0 m (236.2 ft)	28.8 m (94.5 ft)	14.4 m (47.2 ft)	7.2 m (23.6 ft)
	6 mm	120.0m (393.7 ft)	48.0m (157.5 ft)	24.0 m (78.7 ft)	12.0 m (39.4 ft)

Smart event

General IVS Analytics	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 H.265+/Smart H.264+
Video Frame Rate	Main stream: 2688 × 1520 (1 fps–25/30 fps) 2560 × 1440 (1 fps–25/30 fps) Sub stream: 704 × 576 (1 fps–20/25 fps) 704 × 480 (1 fps–20/30 fps)
Stream Capability	2 streams
Resolution	2688 × 1520 (2688 × 1520); 2560 × 1440 (2560 × 1440); 2304 × 1296 (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: 32 kbps–6144 kbps H.265: 12 kbps–6144 kbps
Day/Night	Color/B/W
BLC	Yes
HLC	Yes

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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 2688×1520 resolution and lower.)
Mirror	Yes
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	<10.2W
Lightning protection	4.5kV

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)

