

KX-DAi2003N-EA

2MP Pro AI IR Bullet Network Camera



- 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- H.265 & H.264 triple-stream encoding
- 25/30 fps@1080P (1920 × 1080)
- WDR (120 dB), Day/Night (ICR), 3D DNR, AWB, AGC, BLC
- Multiple network monitoring: Web viewer, KBiVMS, KBView Plus
- 2.8 mm fixed lens (3.6 mm, 6.0 mm, 8.0 mm, 12.0 mm optional)
- 1/1 Alarm in/out, 1/1 audio in/out
- Max. IR LEDs Length 80 m
- Micro SD memory, IP67, IK10



Camera					
Image Sensor	1/2.8" 2Megapixel progressive scan STARVIS™ CMOS				
Effective Pixels	1920 (H) × 1080 (V)				
RAM/ROM	512 MB/128 MB				
Scanning System	Progressive				
Electronic Shutter Speed	Auto/Manual, 1/3 s–1/100000 s				
Minimum Illumination	0.002 Lux@F1.6				
IR Distance	Distance up to 80 m (262 ft)				
IR On/Off Control	Auto/Manual				
IR LEDs	4				
Lens					
Lens Type	Fixed-focal				
Mount Type	Board-in				
Focal Length	2.8 mm, 3.6 mm, 6.0 mm, 8.0 mm, 12.0 mm				
Max. Aperture	F1.6 (2.8 mm–8.0 mm), F2.0 (12.0 mm)				
Angle of View	H: 106°, V: 57°/H: 87°, V: 46°/H: 53°, V: 30°/H: 41°, V: 23°/H: 26°, V: 14°				
Aperture Type	Fixed				
Close Focus Distance	0.6 m (1.97 ft)/1.2 m (3.94 ft)/2.5 m (8.20 ft)/4 m (13.12 ft)/8.6 m (28.22 ft)				
DORI Distance	Lens	Detect	Observe	Recognize	Identify
	2.8mm	39m (128ft)	15m (49ft)	8m (26ft)	4m (13ft)
	3.6mm	55m (180ft)	22m (72ft)	11m (36ft)	6m (20ft)
	6mm	83m (272ft)	33m (108ft)	17m (56ft)	8m (26ft)
	8mm	110m (361ft)	44m (144ft)	22m (72ft)	11m (36ft)
	12mm	172m (564ft)	69m (226ft)	35m (115ft)	17m (56ft)
Pan/Tilt/Rotation					
Pan/Tilt/Rotation Range	Pan: 0°–360°; Tilt: 0°–90°; Rotation: 0°–360°				

Artificial Intelligence	
Face Detection	Support face image capture
Perimeter Protection	Tripwire, intrusion (Recognition of vehicle and people), fast moving, loitering detection, parking detection and people gathering
People Counting	Support Line crossing/Region/Queueing people counting; Support 4 accesses independent detection, 4 areas independent detection
General Intelligence	
Event Trigger	Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly
General Intelligence	Object Abandoned/Missing
Heat Map	Yes
Video	
Compression	H.265, H.264, H.264B, H.264H, MJPEG (sub stream)
Smart Codec	Yes
Streaming 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)
Frame Rate	Main Stream: 1080P (1 fps–25/30 fps)
	Sub Stream: D1 (1 fps–25/30 fps)
	Third Stream: 1080P (1 fps–6 fps)
Bit Rate Control	CBR/VBR
Bit Rate	H.264: 32 Kbps–8192 Kbps H.265: 19 Kbps–7424 Kbps
Day/Night	Auto(ICR)/Color/ B/W
BLC Mode	BLC/HLC/WDR (120 dB)
White Balance	Auto/Natural/Street Lamp/Outdoor/Manual
Gain Control	Auto/Manual
Noise Reduction	3D DNR
Motion Detection	Off/On (4 Zone, Rectangle)

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Region of Interest	Off/On (4 Zone)
Electronic Image Stabilization (EIS)	N/A
Smart IR	Yes
Defog	Yes
Flip	0°/90°/180°/270°
Mirror	Off/On
Privacy Masking	Off/On (4 Area, Rectangle)
Audio	
Compression	G.711a, G.711Mu, G.726, AAC, G.723
Network	
Ethernet	RJ-45 (10/100 Base-T)
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/Profile T), CGI, Milestone, Genetec, P2P
Streaming Method	Unicast/Multicast
Max. User Access	20 Users
Edge Storage	NAS; FTP; SFTP Micro SD card 256 GB
Web Viewer	IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12)
Management Software	KBiVMS, KBView Lite, KBView Plus
Smart Phone	iOS, Android
Interface	
Audio Interface	1/1 channel In/Out
RS485	N/A
Alarm	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC

Electrical	
Power Supply	DC 12V (±30%), PoE (802.3af) (Class 0)
Power Consumption	<8.7W
Environmental	
Operating Conditions	-30° C to +60° C (-22° F to +140° F)/Less than 95% RH
Storage Conditions	-30° C to +60° C (-22° F to +140° F)
Ingress Protection	IP67
Vandal Resistance	IK10
Construction	
Casing	Metal
Dimensions	244.1 mm × 79.0 mm × 75.9 mm (9.61" × 3.11" × 2.99")
Net Weight	0.815 kg (1.80 lb)
Gross Weight	1.08 kg (2.38 lb)
Dimensions (mm[inch])	

