KBVISION

KX-DAi2204N-EB
2MP WDR IR Dome IP Camera

· 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
· ROI, SMART H.264+/H.265+, flexible coding, applicable to various bandwidth and storage environments
· 25/30 fps@1080P (1920 × 1080)
· WDR (120 dB), Day/Night (ICR), 3D DNR, AWB, AGC, BLC
· Multiple network monitoring: Web viewer, CMS (DSS/PSS) & DMSS
· 2.8 mm fixed lens (3.6 mm, 6.0 mm optional)
· 1/1 Alarm in/out, 1/1 audio in/out
· Max. IR LEDs Length 50 m
· Micro SD memory, IP67, IK10

| 2Mp | Face Detection | Perimeter Protection | People counting | Starlight+ |

Camera

Image Sensor	1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
Max. Resolution	1920 (H) × 1080 (V)
RAM/ROM	512 MB/128 MB
Scanning System	Progressive
Electronic Shutter Speed	Auto/Manual, 1/3 s–1/100000 s
S/N Ratio	> 56 dB
Minimum Illumination	0.002 Lux@F1.6
Illumination Distance	Distance up to 50 m (164 ft)
Illuminator On/Off Control	Auto/Manual
Illuminator Number	1 (IR LED)

Lens

Lens Type	Fixed-focal
Mount Type	Board-in
Focal Length	2.8 mm, 3.6 mm, 6.0 mm
Max. Aperture	F1.6
Angle of View	H: 106°, V: 57°/H: 87°, V: 46°/H: 53°, V: 30°
Aperture Type	Fixed
Close Focus Distance	0.6 m (1.97 ft)/1.2 m (3.94 ft)/2.5 m (8.20 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)
	6.0mm	83m (272ft)	33m (108ft)	17m (56ft)	8m (26ft)

Pan/Tilt/Rotation

Pan/Tilt/Rotation Range	Pan: 0˚–355˚; Tilt: 0˚–75˚; Rotation: 0˚–355˚

Artificial Intelligence

Face Detection	Face detection; track; optimization; snapshot; face enhancement; face exposure; face matting setting: face, single inch photo; three snapshot methods: real-time snapshot, optimization snapshot, quality priority; face angle filter; optimization time setting
Perimeter Protection	Tripwire; intrusion; fast moving (the three functions support the classification and accurate detection of vehicle and human); loitering detection; people gathering; parking detection
People Counting	Support the counting of enter number, leave number, and pass number, and displaying and outputting yearly/monthly/daily reports. Support the counting of number in area, and 4 rules configuration. Count number of people or stay time and link alarm. Support queue management, and 4 rules configuration. Count number of people or stay time and link alarm

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 (only supported by sub stream)
Smart Codec	Smart H.265+/ Smart H.264+
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)

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Design and specifications are subject to change without notice.
Pictures in the document are for reference only, and the actual product shall prevail.

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)
Region of Interest	Off/On (4 Zone)
Smart Illumination	Yes
Defog	Yes
Flip	0°/90°/180°/270°
Mirror	Off/On
Privacy Masking	Off/On (4 Area, Rectangle)
Alarm	
Alarm Event	No SD card;SD card full;SD card error;network disconnection;IP conflict;illegal access;motion detection;video tampering;Defocus Detection;scene changing;intrusion;tripwire;abandoned object;missing object;fast moving;parking detection;loitering detection;people gathering;audio detection;people counting;face detection;People counting in area;Stay alarm;People No. exception detection;Queue Management
Network	
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/Profile T), CGI, Milestone, Genetec, P2P
User/Host	20 Users

Storage	NAS; FTP; SFTP; Micro SD card 256 GB
Browser	IE (versions newer than IE8), Chrome, Firefox, Safari (versions newer than Safari 12)
Management Software	KBiVMS, KBView Plus
Mobile Phone	iOS, Android
Interface	
Audio Interface	1/1 channel In/Out
Alarm	1 channel In: 5mA 5V DC 1 channel Out: 300mA 12V DC
Electrical	
Power Supply	DC 12V (±30%), PoE (802.3af)
Power Consumption	<5.5W
Environmental	
Operating Conditions	-40°C to +60°C (-40°F to +140°F)/Less than 95% RH
Storage Conditions	-40°C to +60°C (-40°F to +140°F)
Protection Grade	IP67, IK10
Construction	
Casing	Metal
Dimensions	Φ122 mm × 88.9 mm (4.80" × 3.50")
Net Weight	0.46 kg (1.01 lb)
Gross Weight	0.62 kg (1.37 lb)
Dimensions (mm[inch])	