KBVISION

KX-CAi4047IRPN
4M 4x Starlight IR Network PTZ Camera

· 1/2.8" 4Megapixel STARVIS™ CMOS
· Starlight technology
· Max. 25/30fps@4MP
· 4x optical zoom
· Face Detection, People Counting, Perimeter Protection
· IR distance up to 15m
· SMD Plus
· PoE
· IP66, IK08

H.265 | WDR | IP66 | PoE | 0.005Lux | Tripwire | Intrusion | People Counting

Camera

Image Sensor	1/2.8" STARVIS™ CMOS
Pixel	4MP
Max. Resolution	2560 (H) × 1440 (V)
ROM	4GB
RAM	1GB
Electronic Shutter Speed	1/1 s–1/30,000 s
Scanning System	Progressive
Min. Illumination	Color: 0.005Lux@F1.8 B/W: 0.0005Lux@F1.8 0Lux (IR light on)
Illumination Distance	15 m (49.21 ft)
Illuminator On/Off Control	Zoom Prio/Manual/SmartIR
Illuminator Number	3

Lens

Focal Length	2.8 mm–12 mm
Max. Aperture	F1.8–F2.7
Field of View	H: 31.6°–96.9° V: 17.8°–51.4° D: 36.4°–116.2°
Optical Zoom	4x
Focus Control	Auto/Semi-Auto/Manual
Close Focus Distance	0.2 m–0.5 m (0.66 ft–1.64 ft)
Iris Control	Auto

DORI Distance	Detect	Observe	Recognize	Identify
	147.0 m (482.28 ft)	58.8 m (192.91 ft)	29.4 m (96.46 ft)	14.7 m (48.23 ft)

PTZ

Pan/Tilt Range	Pan: 0°–355° Tilt: 5°–90°
Manual Control Speed	Pan: 0.1°/s–70°/s Tilt: 0.1°/s–30°/s
Preset Speed	Pan: 80°/s Tilt: 40°/s
Presets	300
Tour	8 (up to 32 presets per tour)
Speed Adjustment	Support
Power-off Memory	Support
Idle Motion	Preset/Tour

General Intelligence

Event Trigger	Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly
IVS	Object Abandoned/Missing

Artificial Intelligence

People Counting	Count people entering and exiting the area (crossing people counting); count people staying in the area (in-area people counting); display and export reports by day, week and month.
Perimeter Protection	Tripwire and intrusion. Support alarm triggering by target types (human and vehicle). Support filtering false alarms caused by animals, rustling leaves, bright lights, etc.
SMD Plus	Support
Face Detection	Support

Video

Compression	H.265; H.264BaselineProfile; H.264MainProfile; H.264HighProfile; MJPEG (Sub Stream); H.265+; H.264+
Streaming Capability	3 streams
Resolution	4M (2560 x 1440); 3M (2048 x 1536); 1080P (1920 x 1080); 1.3M (1280 x 960); 720P (1280 x 720); D1 (704 x 576/704 × 480); CIF (352 x 288/352 × 240)
Frame Rate	Main stream: 4M/3M (1–25/30fps), 1080P/1.3M/720P (1–25/30fps) Sub stream 1: D1/CIF (1–25/30fps) Sub stream 2: 720P (1–25/30fps), D1/CIF (1–25/30fps)
Bit Rate Control	Variable Bit Rate/Constant Bit Rate
Bit Rate	H.264/H.265/MJPEG: 3 kbps–20480 kbps

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Day/Night	Auto (ICR)/Color/B/W
BLC	Support
WDR	120 dB
HLC	Support
White Balance	Auto/Indoor/Outdoor/Track/Manual/Sodium lamp/Natural light/Street lamp
Gain Control	Auto/Manual
Noise Reduction	2D/3D
Motion Detection	Support
Region of Interest (RoI)	Support
Electronic Image Stabilization	Support
Electronic Defog	Support
Digital Zoom	16x
Flip	0°/180°
Privacy Masking	Up to 24 areas, and up to 8 areas in the same view
Audio	
Compression	G.711a; G.711Mu; G.726; AAC; MPEG2-Layer2; G.722.1; G.729; G.723
Network	
Ethernet	RJ-45 (10/100Base-T)
Protocol	IPv4; IPv6; HTTP; HTTPS; 802.1x; Qos; FTP; SMTP; UPnP; SNMPv1/v2c/v3(MIB-2); DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE; ARP; RTCP
Interoperability	ONVIF Profile S&G&T; CGI
Streaming Method	Unicast/Multicast
User/Host	20
Storage	FTP; Micro SD card (256G); P2P
Browser	IE; Chrome; Firefox; Safari (no version restriction)
Management Software	KBiVMS, KBView Plus

Mobile Phone	iOS/Android
Port	
Audio Input	1(Line in; bare wire or built in Mic)
Audio Output	1
Power	
Power Supply	DC12V/1.5A±15% PoE (802.3af)
Power Consumption	3W 8.5W (IR on)
Environment	
Operating Temperature	-30°C to +60°C (-22°F to 140°F)
Operating Humidity	≤95%
Protection	IK08; IP66; TVS 6000V lightning proof; surge protection
Structure	
Dimensions	Φ128.0 mm × 65.4 mm (5.04" × 2.57")
Net Weight	0.485 kg (1.06 lb)
Gross Weight	0.7 kg (1.54 lb)
Dimensions (mm[inch])	