

KX-DAi4458PN

4MP 45x Starlight IR PTZ AI Network Camera



- 1/2.8" 4Megapixel STARVIS™ CMOS
- Powerful 45x optical zoom
- Starlight technology
- Max. 25/30fps@4MP
- IR distance up to 150m
- SMD Plus
- Deep-learning-based auto tracking and perimeter protection
- Auto-tracking and IVS
- PoE+
- IP67 , IK10



Technical Specification

Camera

Image Sensor	1/2.8" STARVIS™ CMOS
Max. Resolution	4MP
Effective Pixels	2560 (H)×1440 (V)
ROM	4GB
RAM	1GB
Electronic Shutter Speed	1/3–1/30000s
Scanning Mode	Progressive Scanning
Minimum Illumination	Color: 0.005Lux@F1.6 B/W: 0.0005Lux@F1.6 0Lux (IR light on)
IR Distance	150 m (492.13 ft)
IR On/Off Control	Zoom Prio/Manual/SmartIR
IR LED Number	4

Lens

Focal Length	3.95 mm–177.7 mm			
Aperture	F1.6–F4.95			
Field of View	H: 70.3°–1.8°; V: 37°–1°; D: 69.3°–2°			
Optical Zoom	45x			
Focus Control	Auto/Semi-Auto/Manual			
Close Focus Distance	0.01 m–3 m			
Iris Control	Auto/Manual			
DORI Distance	Detect	Observe	Recognize	Identify
	3176 m (10419.95 ft)	1270 m (4166.67 ft)	635 m (2083.33 ft)	317 m (1040.03 ft)

PTZ

Pan/Tilt Range	Pan: 0°–360°; Tilt: -15°–+90°
Manual Control Speed	Pan: 0.1°/s–300°/s; Tilt: 0.1°/s–200°/s
Preset Speed	Pan: 400°/s; Tilt: 300°/s
Presets	300
Tour	8(up to 32 preset per tour)
Pattern Number	5
Scanning Number	5
Speed Adjustment	Support
Power-off Memory	Support
Idle Motion	Preset/Tour/Pattern/Scanning
Protocol	DH-SD Pelco-P/D(Auto recognition)

Artificial Intelligence

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

Auto Tracking	Support
Face Detection	Support
Video Structuralization	Support human, motor vehicle and non-motor vehicle image capture

General Intelligence

Event Trigger	Motion detection, video tampering, scene changing, Network disconnection, IP address conflict, illegal access, and storage anomaly.
General IVS	Object Abandoned/Missing

Video

Compression	H.265/H.265+/H.264+/H.264/MJPEG(Sub Stream)
Streaming Capability	3 Streams
Resolution	2560×1440 (2560×1440); 3M (2048×1536); 1080P (1920×1080); (1.3M)1280×960; 720P (1280×720); D1 (704×576/704×480); CIF (352×288/352×240)
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: 1080P(1-20/11fps), 1.3M/720P(1–25/30fps), D1/ CIF(1–25/30fps)
Bit Rate Control	Variable Bit Rate/Constant Bit Rate
Bit Rate	H.264: 32 Kbps–8192 Kbps H.265: 32 Kbps–8192 Kbps
Day/Night	Support
BLC	Support
WDR	120dB
HLC	Support
White Balance	Auto/Indoor/Outdoor/Tracking/Manual/Sodium lamp/Natural/Street lamp
Gain Control	Auto/Manual
Noise Reduction	2D/3D
Motion Detection	Support
Region of Interest (RoI)	Support
Electronic Image Stabilization (EIS)	Support
Optical Defog	Electronic Defog
Digital Zoom	16x
Flip	0°/180°
Privacy Masking	Up to 24 areas

Audio

Audio Compression	G.711A; G.711Mu; G.726; AAC; G.722.1; G.723; G.729; PCM; MPEG2-Layer2
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Port

Audio In	1 (LINE IN; bare wire)
Audio Out	1 (LINE OUT; bare wire)
Alarm Port	2 alarm input port; 1 alarm output port

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Network

Ethernet Port	1 RJ-45 Port 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; CGI
Streaming Method	Unicast/Multicast
Max. User Access	20 (Total bandwidth 48M)
Edge Storage	FTP; Micro SD card (256G); P2P
Browser	IE7 and newer versions Chrome 42 and older versions Firefox 52 and older versions Safari
Management Software	KBIVMS KBVIEW Plus KBVIEW
Smart Phone	IOS/Android/Windows Phone

Electrical

Power Supply	AC24V/3A±25% PoE+(802.3at)
Power Consumption	11W 20W (IR light on)

Environment

Operating Conditions	-40°C to +70°C (-40°F to +158°F)
Operating Humidity	≤95%RH
Ingress Protection	IP67; IK10; TVS 6000V lightning protection; surge protection

Construction

Dimensions	Φ190 mm×332 mm (7.48"×13.07")
Weight	Net Weight: 4.7 kg (10.36 lb); Gross Weight: 8 kg (17.64 lb)
Casing	Metal

Dimensions (mm[inch])

