

# KX-CAi2008ePN2

## 2MP 25x Starlight IR Network PTZ Camera

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



- 1/2.8" 2Megapixel STARVIS™ CMOS
- Powerful 25x optical zoom
- Starlight technology
- Max. 25/30 fps@1080p
- IR distance up to 100 m
- Perimeter protection
- Face detection
- SMD Plus
- IP66



Camera				
Image Sensor	1/2.8" CMOS			
Pixel	2 MP			
Max. Resolution	1920 (H) × 1080 (V)			
ROM	256 MB			
RAM	512 MB			
Electronic Shutter Speed	1/1 s–1/30,000 s			
Scanning System	Progressive			
Min. Illumination	Color: 0.005 lux@F1.6 B/W: 0.0005 lux@F1.6 0 lux@F1.6 (IR light on)			
Illumination Distance	100 m (328.08 ft) (IR)			
Illuminator On/Off Control	Zoom Prio; Manual; Smart IR; Off			
Illuminator Number	4 (IR)			
Lens				
Focal Length	4.8 mm–120 mm			
Max. Aperture	F1.6–F3.8			
Field of View	H: 56.2°–2.6°; V: 32.5°–1.5°; D: 63.2°–3°			
Optical Zoom	25x			
Focus Control	Auto; Semi-auto; Manual			
Close Focus Distance	1.5 m (4.92 ft)			
Iris Control	Auto			
DORI Distance	Detect	Observe	Recognize	Identify
	2400 m (7874.02 ft)	948 m (3110.24 ft)	480 m (1574.80 ft)	240 m (787.40 ft)
PTZ				
Pan/Tilt Range	Pan: 0° to 360° endless Tilt: –15° to +90°, auto flip 180°			

Manual Control Speed	Pan: 0.1°/s–200°/s Tilt: 0.1°/s–100°/s
Preset Speed	Pan: 200°/s; Tilt: 100°/s
Presets	300
Tour	8 (up to 32 presets per tour)
Pattern	5
Scan	5
Power-off Memory	Yes
Idle Motion	Preset; Tour; Pattern; Scan
PTZ Protocol	DH-SD Pelco-P/D (Auto recognition)
Intelligence	
IVS (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.
Face Detection	Yes
SMD	Yes
Video	
Video Compression	Smart H.265+; H.265; Smart H.264+; H.264B; H.264M; H.264H; MJPEG (Sub Stream)
Streaming Capability	3 streams
Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240)
Video Frame Rate	Main stream: 1080p/1.3M/720p (25/30 fps) Sub stream 1: D1/CIF (1–25/30 fps) Sub stream 2: 720p (1–25/30 fps)
Bit Rate Control	CBR; VBR
Video Bit Rate	H.264: 32 Kbps–8192 Kbps H.265: 32 Kbps–8192 Kbps
Day/Night	Auto (ICR); Color; B/W
BLC	Yes
WDR	120 dB

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HLC	Yes
White Balance	Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp
Gain Control	Auto; Manual
Noise Reduction	2D NR; 3D NR
Motion Detection	Yes
Region of Interest (RoI)	Yes
Defog	Electronic
Image Rotation	180°
Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view
S/N Ratio	≥ 55 dB
<b>Audio</b>	
Audio Compression	G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1
<b>Network</b>	
Network Port	1 RJ-45 Port 10/100Base-T
Network Protocol	HTTP; HTTPS; IPv4; RTSP; UDP; SMTP; NTP; DHCP; DNS; DDNS; IPv6; 802.1x; QoS; FTP; UPnP; ICMP; SNMP; SNMP v1/v2c/v3 (MIB-2); IGMP; ARP; RTCP; RTP; PPPoE; RTMP; TCP
Interoperability	ONVIF Profile S&G&T; CGI
Streaming Method	Unicast; Multicast
User/Host	20 (total bandwidth: 64 M)
Storage	FTP; Micro SD card (512 GB); NAS
Browser	IE7 and later versions Chrome Firefox Safari
Management Software	KBiVMS, KBView Plus
Mobile Client	iOS; Android
<b>Port</b>	
Alarm Linkage	Capture; preset; tour; pattern; recordings on SD card; alarm digital input; sending email
Alarm Event	Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection
Alarm I/O	2/1

<b>Power</b>	
Power Supply	12 VDC, 3 A (± 10%) PoE+ (802.3at)
Power Consumption	Basic: 12 W Max.: 21 W (illuminator + PTZ working)
<b>Environment</b>	
Operating Conditions	-40 °C to +65 °C (-40 °F to +149 °F)
Operating Humidity	≤ 95%RH
Protection	IP66; TVS 6000 V lightning proof; surge protection; voltage transient protection
<b>Structure</b>	
Casing	Aluminum alloy ADC12
Product Dimensions	295 mm × Φ160 mm (11.61" × Φ6.30")
Net Weight:	2.8 kg (6.17 lb)
Gross Weight	4.3 kg (9.48 lb)
<b>Dimensions (mm[inch])</b>	

