

KX-C2007IRPN3

2MP 4x 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 CMOS.
- 4x optical zoom.
- Max. 25/30fps@1080P.
- IR distance up to 50 m.
- 4x optical zoom.
- WDR.
- SMD 3.0.
- Built-in Mic.
- PoE.



Technical Specification

Camera

Image Sensor	1/2.8" CMOS
Pixel	2 MP
Max. Resolution	1920 (H) × 1080 (V)
ROM	128 MB
RAM	512 MB
Electronic Shutter Speed	1/1s–1/30,000s
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	50 m (164.04 ft) (IR)
Illuminator On/Off Control	Zoom Prio; Manual; Auto; Off
Illuminator Number	2 (IR)

Lens

Focal Length	2.8 mm–12 mm			
Max. Aperture	F1.6–F3.0			
Field of View	H: 101°–31.36°; V: 53.51°–17.72°; D: 120.51°–36.05°			
Optical Zoom	4x			
Focus Control	Auto; semi-auto; manual			
Close Focus Distance	1.5 m (4.92 ft)			
DORI Distance	Detect	Observe	Recognize	Identify
	171 m (561.02 ft)	67 m (219.81 ft)	34 m (111.55 ft)	17 m (55.77 ft)

PTZ

Pan/Tilt Range	Pan: 0° to 360° not endless Tilt: –0° to +90°
Manual Control Speed	Pan: 0.1°/s–100°/s Tilt: 0.1°/s–60°/s
Preset Speed	Pan: 100°/s; Tilt: 60°/s
Preset	300
Tour	8 (up to 32 presets per tour)
Pattern	5
Scan	5
Power-off Memory	Yes
Idle Motion	Pattern; Preset; Scan; Tour
PTZ Protocol	DH-SD4

Intelligence

IVS (Perimeter Protection)	Tripwire; intrusion; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; human alarm classification
Face Detection	Supports face detection, snapshot, and face enhancement; Supports face cutout: Face, one-inch photo; Capturing strategies include real-time capturing and quality first
SMD	Yes

Video

Video Compression	H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream); Smart H.264+
Streaming Capability	3 streams

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Resolution	1080p (1920 × 1080); 1.3M (1280 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); VGA (640 × 480); CIF (352 × 288/352 × 240)
Video Frame Rate	Main stream: 1080p/1.3M/720p@(1-25/30 fps) Sub stream 1: D1/VGA/CIF@(1-25/30 fps) Sub stream 2: 1080p/1.3M/720p@(1-25/30 fps)
Bit Rate Control	CBR/VBR
Video Bit Rate	H264: 24 Kbps–8192 Kbps H265: 9 Kbps–5632 Kbps
Day/Night	ICR: Auto; color; B/W Electronic: Auto; color; B/W
BLC	Yes
WDR	120 dB
HLC	Yes
White Balance	Auto; indoor; outdoor; tracking; manual; sodium lamp; natural light; street lamp
Gain Control	Auto; manual; gain prio
Noise Reduction	2D NR; 3D NR
Motion Detection	Yes
Region of Interest (Rol)	Yes
Image Stabilization	Electronic (EIS)
Defog	Electronic
Digital Zoom	16 ×
Image Rotation	180°
S/N Ratio	≥ 55 dB

Audio

Audio Compression	G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; PCM
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Network

Network Port	RJ-45 (10/100 Base-T)
Network Protocol	FTP; RTMP; IPv6; Bonjour; IPv4; DNS; RTCP; PPPoE; NTP; RTP; 802.1x; HTTPS; SNMP; TCP/IP; DDNS; UPnP; NFS; ICMP; UDP; IGMP; SMB; HTTP; SSL; DHCP; SMTP; Qos; RTSP; ARP
Interoperability	CGI; SDK; ONVIF (Profile S&G&T); P2P
Streaming Method	Unicast/Multicast
User/Host	20 (total bandwidth: 64 M)
Storage	Micro SD card (512 GB); FTP/SFTP; NAS
Browser	IE 9 and later versions Chrome 41 and later versions Firefox 50 and later versions Safari 10 and later versions

Mobile Client	iOS; Android
Port	
Audio Input	1 channel (LINE IN, bare wire, built-in mic (mutually exclusive))
Audio Output	1 channel (LINE OUT, bare wire)
Alarm Input	2 (on-off value input: 0–5 VDC)
Alarm Output	1
Alarm Linkage	Capture; recoding; send email; preset; tour; pattern; alarm digital output; audio
Alarm Event	Motion/Tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection; power exception detection

Power

Power Supply	12 VDC, 2A ± 10% (optional) PoE (802.3af)
Power Consumption	Basic: 5 W Max: 10 W (illuminator+PTZ)

Environment

Operating Temperature	–30 °C to +50 °C (–22 °F to +122 °F)
Operating Humidity	≤ 95%
Protection	6000V lightning proof; surge protection; voltage transient protection

Structure

Product Dimensions	117.4 mm × Φ132.1 mm (4.62" × Φ5.20")
Net Weight	0.713 kg (1.57 lb)
Gross Weight	1.0 kg (2.20 lb)

Dimensions (mm[inch])

