

# KX-C2007ePN2

## 2MP 16x Starlight IR PTZ Lite Network 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 16x optical zoom
- IR distance up to 100m
- Max. 25/30 fps@1080P
- IP66
- H.265



Camera				
Image Sensor	1/2.8" CMOS			
Pixel	2MP			
Max. Resolution	1920 (H) × 1080 (V)			
ROM	128 MB			
RAM	256 MB			
Electronic Shutter Speed	1/1 s–1/30000 s			
Scanning System	Progressive			
Min. Illumination	Color: 0.05 Lux@F1.5 B/W: 0.005 Lux@F1.5 0Lux (IR or laser on)			
Illumination Distance	100 m (328.08 ft)			
Illuminator On/Off Control	Zoom Prio/Manual/SmartIR/Off			
Illuminator Number	4			
Lens				
Focal Length	5 mm–80 mm			
Max. Aperture	F1.5–F2.7			
Field of View	H: 57.7°–4.5°; V: 32.7°–2.6°; D: 65.2°–5.2°			
Optical Zoom	16x			
Focus Control	Auto/Semi-Auto/Manual			
Close Focus Distance	0.1 m–0.5 m (0.33 ft–1.64 ft)			
Iris Control	Auto/Manual			
DORI Distance	Detect	Observe	Recognize	Identify
	1343 m (4406.17 ft)	530 m (1738.85 ft)	268 m (879.27 ft)	134 m (439.63 ft)
PTZ				
Pan/Tilt Range	Pan: 0°–360°; Tilt: -15°–+90°			
Manual Control Speed	Pan: 0.1°/s–200°/s; Tilt: 0.1°/s–120°/s			
Preset Speed	Pan: 240°/s; Tilt: 200°/s			
Presets	300			
Tour	8 (up to 32 presets per tour)			

Pattern	5
Scan	5
Speed Adjustment	Support
Power-off Memory	Support
Idle Motion	Preset/Tour/Pattern/Scanning
Protocol	DH-SIP Pelco-P/D (auto recognition)
General Intelligence	
Event Trigger	Motion detection, video tampering, scene changing, network disconnection, IP address conflict, illegal access, and storage anomaly.
IVS	Tripwire, intrusion, object abandoned/missing
Video	
Compression	H.265; H.264 Baseline Profile; H.264 Main Profile; H.264 High Profile
Streaming Capability	3 streams
Resolution	1080P (1920 × 1080); 960P (1280 × 960); 720P (1280 × 720)
Frame Rate	Main stream: 1080P/720P (1–25/30 fps) Sub stream 1: D1/CIF (1–25/30 fps) Sub stream 2: 720P/D1/CIF (1–25/30 fps)
Bit Rate Control	Variable/Constant
Bit Rate	H.264: 1792 Kbps–8192 Kbps H.265: 768 Kbps–4608 Kbps
Day/Night	Auto (ICR)/Color/B/W
BLC	Support
WDR	DWDR
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

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Region of Interest (RoI)	Support
Image Stabilization (EIS)	Electronic
Defog	Electronic
Digital Zoom	16x
Flip	180°
Privacy Masking	Up to 24 areas
<b>Audio</b>	
Compression	G.711a; G.711Mu; G.726; AAC; G7221; G726; G729; MP2L2
<b>Network</b>	
Ethernet	RJ-45 (10/100Base-T)
Protocol	IPv4; IPv6; HTTP; HTTPS; 802.1x; Qos; FTP; SMTP; UPnP; SNMP; DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE; ARP; SNMPv1/v2c/v3(MIB-2); RTCP; RTMP
Interoperability	ONVIF Profile S&G; CGI
Streaming Method	Unicast/Multicast
User/Host	20 (total bandwidth 48 MB)
Storage	FTP; Micro SD card (256 GB); NAS
Browser	IE7 and later versions Chrome 42 and earlier versions Firefox 52 and earlier versions Safari
Management Software	KBiVMS, KBView , KBView Plus
Mobile Phone	IOS, Android
<b>Port</b>	
Audio Input	1 (LINE IN; bare wire)
Audio Output	1 (LINE OUT; bare wire)
Alarm I/O	2/1

<b>Power</b>	
Power Supply	DC 12V/5A ± 10%
Power Consumption	6.1W 17W (IR light on)
<b>Environment</b>	
Operating Temperature	-40°C to +70°C (-40°F to +158°F)
Operating Humidity	≤ 95%RH
Protection	IP66; TVS 6000V lightning protection; surge protection
<b>Structure</b>	
Dimensions	295 mm × Φ160 mm (11.61" × Φ6.30")
Net Weight	3.0 kg (6.61 lb)
Gross Weight	4.4 kg (9.70 lb)
<b>Dimensions (mm[inch])</b>	

