

# KX-C2006CPN-M

## 2MP Starlight IR AI 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
- Starlight technology
- IR distance up to 30 m
- Deep-learning-based perimeter protection
- SMD Plus
- PoE
- IP66
- Active Deterrence



Camera				
Image Sensor	1/2.8" CMOS			
Pixel	2MP			
Max. Resolution	1920 (H) × 1080 (V)			
ROM	128 MB			
RAM	512 MB			
Electronic Shutter Speed	1/3 s–1/100000 s			
Scanning System	Progressive			
Min. Illumination	Color: 0.002 Lux@F1.6 B/W: 0.0002 Lux@F1.6 0 Lux (illuminator on)			
Illumination Distance	30 m (98.43 ft)			
Illuminator On/Off Control	Manual/SmartIR/Off			
Illuminator Number	4 IR lights; 1 white light			
Lens				
Focal Length	2.7 mm–13.5 mm			
Max. Aperture	F1.8–F3.3			
Field of View	H: 101.6°–33.5°; V: 52°–18.7°; D: 124.7°–38.5°			
Optical Zoom	5x			
Focus Control	Auto/Semi-Auto/Manual			
Close Focus Distance	1.2 m (3.94 ft)			
Iris Control	Fixed			
DORI Distance	Detect	Observe	Recognize	Identify
	131 m (429.79 ft)	52.3 m (171.59 ft)	26 m (85.30 ft)	12.8 m (41.99 ft)
PTZ				
Pan/Tilt Range	Pan: 0°–355° Tilt: -15°–+90°			
Manual Control Speed	Pan: 0.1°/s–80°/s Tilt: 0.1°/s–56°/s			
Preset Speed	Pan: 81°/s; Tilt: 43°/s			
Preset	300			

Power-off Memory	Support
Idle Motion	Preset
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.
Video	
Compression	H.265; H.264B; H.264M; H.264H; MJPEG; MJPEG (Sub Stream); H.265+; H.264+
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)
Frame Rate	Main stream: 1080P (1–25/30 fps); 1.3M (1–25/30 fps); 720P (1–25/30 fps) Sub stream 1: D1/CIF (1–25/30 fps) Sub stream 2: 1080P (1–25/30 fps); 1.3M (1–25/30 fps); 720P (1–25/30 fps)
Bit Rate Control	Variable/Constant
Bit Rate	H.264: 3 Kbps–20480 Kbps H.265: 3 Kbps–20480 Kbps
Day/Night	Auto (ICR)
BLC	Support
WDR	DWDR
HLC	Support
White Balance	Auto/Indoor/Outdoor/Tracking/Manual/Sodium lamp/Natural light/Street lamp
Gain Control	Auto/Manual
Noise Reduction	2D/3D
Motion Detection	Support
Region of Interest (RoI)	Support
Defog	Electronic
Flip	180°

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S/N Ratio	≥ 55 dB
<b>Audio</b>	
Compression	G.711a; G.711Mu; G.726; AAC; MPEG2-Layer2; G722.1; G729; G723
<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; SNMP v1/v2c/v3 (MIB-2); RTCP; RTMP
Interoperability	ONVIF Profile S&G&T; CGI
Streaming Method	Unicast/Multicast
User/Host	20 (total bandwidth: 64 M)
Storage	FTP; Micro SD card (256 G); NAS
Browser	IE7 and later versions Chrome 42 and earlier versions Firefox 52 and earlier versions Safari
Management Software	KBView, KBView Plus
Mobile Phone	iOS, Android
<b>Port</b>	
Audio Input	1 (Built-in Mic)
Audio Output	1 (Built-in Speaker)
Two-way Audio	Support
Alarm Linkage	Capture; preset; SD card record; send email
Alarm Event	Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; encoder state detection; memory card state detection; memory space detection
<b>Power</b>	
Power Supply	12V DC/2A ± 10% (supports PoE)
Power Consumption	Basic: 5W Max: 12W (illuminator on)
Power Adapter	Included

<b>Environment</b>	
Operating Temperature	-30°C to +60°C (-22°F to 140°F)
Operating Humidity	≤ 95%
Protection	IP66; TVS 2000V lightning proof; surge protection; voltage transient protection
<b>Structure</b>	
Dimensions	271.7 mm × 142.5 mm × 124.1 mm (10.70" × 5.61" × 4.89")
Net Weight	1.1 kg (2.43 lb)
Gross Weight	1.51 kg (3.33 lb)
<b>Dimensions (mm[inch])</b>	

