

# KX-DAi4258GPN2

## 4MP 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.



- 1/1.8" 4Megapixel CMOS.
- Powerful 25x optical zoom.
- Starlight+ Technology.
- Max. 25/30fps@4MP.
- IR distance up to 150 m.
- Deep-learning-based perimeter protection.
- Auto Tracking 3.0.
- SMD 4.0.
- Quick Pick.
- PoE+.
- IP67, IK10.



Camera				
Image Sensor	1/1.8" CMOS			
Pixel	4 MP			
Max. Resolution	2560 × 1440			
ROM	4 GB			
RAM	1 GB			
Electronic Shutter Speed	1 s–1/30,000 s			
Scanning System	Progressive			
Min. Illumination	Color: 0.001 lux@F1.6 B/W: 0.0001 lux@F1.6 0 lux (IR light on)			
Illumination Distance	150 m (492.13 ft) (IR)			
Illuminator On/Off Control	Zoom Prio; Manual; Auto; Off			
Illuminator Number	4 (IR)			
Lens				
Focal Length	5.4 mm–135 mm			
Max. Aperture	F1.6–F4.0			
Field of View	H: 61.6°–3.6°; V: 35.7°–2°; D: 66.6°–4°			
Optical Zoom	25×			
Focus Control	Auto; semi-auto; manual			
Close Focus Distance	0.1 m–2 m			
Iris Control	Auto; manual; fixed			
DORI Distance	Detect	Observe	Recognize	Identify
	1724 m (5656.16 ft)	689 m (2260.05 ft)	344 m (1128.61 ft)	172 m (564.30 ft)
PTZ				
Pan/Tilt Range	Pan: 0° to 360° endless Tilt: –15° to +90°, auto flip 180°			

Manual Control Speed	Pan: 0.1°/s–300°/s Tilt: 0.1°/s–140°/s
Preset Speed	Pan: 400°/s; Tilt: 300°/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-SD Pelco-P/D (Auto recognition)
Intelligence	
IVS (Perimeter Protection)	Tripwire; intrusion; climbing fences; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; vehicle/human alarm classification; linkage tracking
Face Detection	Supports face detection, face bounding box, capturing snapshots, uploading face snapshots, enhancing face images, and selecting a preferred image among a group of snapshots. Attribute Extraction is also supported, where 6 attributes and 8 expressions can be detected. The attributes are gender, age, glasses, mask, mustache and expressions. The expressions are angry, sad, hate, scared, surprised, calm, happy and confused. Face cutout is also offered, where you can cutout one face at a time and customize the size to be a one-inch photo. The supported methods for capturing snapshots are real-time capturing, quality first, and selecting a preferred image among a group of snapshots.
Auto Tracking	Yes
Quick Pick	With AI NVR, quickly pick up the human/vehicle targets that users are interested in from SMD events.
SMD	Yes
Video	
Video Compression	H.264H; H.264B; Smart H.265+; H.265; Smart H.264+; MJPEG; H.264M

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Streaming Capability	3 streams
Resolution	4M (2560 × 1440); 3M (2048 × 1536); 1080p (1920 × 1080); 960p (1920 × 960); 720p (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240); VGA (640 × 480)
Video Frame Rate	Main stream: 4M/3M/1080p/1.3M/720p (1–25/30 fps) Sub stream 1: D1/CIF/VGA(1–25/30 fps) Sub stream 2: 1080p/1.3M/720p (1–25/30 fps)
Bit Rate Control	CBR/VBR
Video Bit Rate	H.264: 96 kbps–14848 kbps H.265: 38 kbps–8960 kbps
Day/Night	Auto (ICR)/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
Noise Reduction	2D NR; 3D NR
Motion Detection	Yes
Region of Interest (RoI)	Yes
Image Stabilization	Electronic(EIS)
Defog	Electronic
Digital Zoom	16×
Image Rotation	180°
Privacy Masking	Up to 24 areas can be set, with up to 8 areas in the same view; multiple colors available
S/N Ratio	≥ 55 dB

### Audio

Audio Compression	PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723
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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;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
Management Software	KBiVMS, KBView Plus

Mobile Client	iOS; Android
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### Port

Audio Input	1 channel (LINE IN, bare wire)
Audio Output	1 channel (LINE OUT, bare wire)
Alarm Linkage	Capture; recordings; send email; preset; tour; pattern; alarm digital input
Alarm Event	Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card status detection; memory space detection
Alarm I/O	2/1
Audio I/O	1/1

### Power

Power Supply	24 VDC/2.5 A ± 25% PoE+ (802.3at)
Power Consumption	Basic: 12 W Max.: 21 W (IR light + PTZ)

### Environment

Operating Temperature	–40 °C to +70 °C (–40 °F to +158 °F)
Operating Humidity	≤ 95%
Storage Temperature	–40 °C to +70 °C (–40 °F to +158 °F)
Storage Humidity	≤ 95%
Protection	IP67, IK10, TVS 6000 V lightning proof; surge protection; voltage transient protection

### Structure

Product Dimensions	Φ190 mm × 332 mm (Φ7.48" × 13.07")
Net Weight	4.7 kg (10.36 lb)
Gross Weight	8.0 kg (17.64 lb)

### Dimensions (mm[inch])

