

KX-DDAAi4399ZGPN3

4MP 32x 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" 4Megapixel STARVIS™ CMOS.
- 32× optical zoom.
- Starlight technology.
- Max. 25/30 fps@4M.
- IR distance up to 250 m.
- Auto Tracking 3.0.
- Perimeter protection.
- Face detection.
- SMD 4.0
- Quick Pick.
- IP67, IK10.
- Support Ryder technology



Technical Specification

Camera

| | |
|----------------------------|---|
| Image Sensor | 1/2.8" CMOS |
| Pixel | 4 MP |
| Max. Resolution | 2560 (H) × 1440 (V) |
| ROM | 4 GB |
| RAM | 1 GB |
| 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 | 250 m (820.21 ft) (IR) |
| Illuminator On/Off Control | Zoom Prio; Manual; Smart IR; Off |
| Illuminator Number | 6 (IR) |

Lens

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|----------------------|---|
| Focal Length | 4.8 mm–154 mm |
| Max. Aperture | F1.6–F4.0 |
| Field of View | H: 55.8°–2.4°; V: 31.9°–1.3°; D: 63.7°–2.7° |
| Optical Zoom | 32× |
| Focus Control | Auto; semi-auto; manual |
| Close Focus Distance | 0.8 m–5.0 m (2.62 ft–16.40 ft) |

| | | | | |
|---------------|--------------------------|------------------------|------------------------|----------------------|
| Iris Control | Auto; manual | | | |
| DORI Distance | Detect | Observe | Recognize | Identify |
| | 2,124 m (6,968.50 ft) | 839 m (2,752.62 ft) | 425 m (1,394.36 ft) | 212 m (695.54 ft) |

PTZ

| | |
|----------------------|---|
| Pan/Tilt Range | Pan: 0° to 360° endless Tilt: –20° to +90°, auto flip 180° |
| Manual Control Speed | Pan: 0.1°/s–260°/s Tilt: 0.1°/s–120°/s |
| Preset Speed | Pan: 0°/s–300°/s Tilt: 0°/s–200°/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; crossing fence detection; loitering detection; abandoned/missing object; fast moving; parking detection; people gathering; Vehicle/Human Alarm Classification; linkage tracking |
|----------------------------|--|

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| | |
|----------------|---|
| Face Detection | Face detection; bounding box; optimization; capturing pictures; uploading high-quality face snapshots; face enhancement. Face attributes: Gender, age, facial expressions (Anger, sad, antipathy, fear, surprise, calm, happy, and confused), face mask, and mustache. Face image and 1 inch photos are supported for face cutouts. Face capture: Real-time snapshot, face priority, and quality priority. |
| Auto Tracking | Yes |
| SMD | Yes |
| Quick Pick | With AI NVR, quickly pick up the human/vehicle targets that users are interested in from SMD events. |

Video

| | |
|--------------------------|---|
| Video Compression | H.264H; H.264B; Smart H.265+; H.264; H.265; MJPEG (Sub Stream); Smart H.264+ |
| Streaming Capability | 3 streams |
| Resolution | 4M (2560 × 1440); 3M (2048 × 1536); 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: 4M/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 | 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 |
| 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 |
| S/N Ratio | ≥ 55 dB |

Audio

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|-------------------|---|
| Audio Compression | PCM; G.711a; G.711Mu; G.726; MPEG2-Layer2; G722.1; G729; G723 |
|-------------------|---|

Network

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|------------------|--|
| Network Port | 1×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) |
| 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 42 and later versions Firefox 50 and later versions Safari 10 and later versions |
| Mobile Client | iOS; Android |

Port

| | |
|---------------|---|
| Analog Output | 1 channel (CVBS output, BNC) |
| RS-485 | 1 (baud rate: 1200 bps–9600 bps) |
| Audio Input | 1 channel (LINE IN, bare wire) |
| Audio Output | 1 channel (LINE OUT, bare wire) |
| Alarm Linkage | Capture; preset; tour; pattern; recording; alarm digital input; audio; send email |
| Alarm Event | Motion/tampering detection; audio detection; network disconnection detection; IP conflict detection; memory card state detection; memory space detection; power exception detection |
| Alarm I/O | 7/2 |
| Audio I/O | 1/1 |

Power

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|-------------------|--|
| Power Supply | 24 VDC, 2.5 A ± 25%, PoE+ (802.3at) |
| Power Consumption | Basic: 15 W Max.: 29.5 W (illuminator + heater + PTZ) |

Environment

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|-----------------------|---|
| Operating Temperature | –40 °C to + 70 °C (–40 °F to + 158 °F) |
| Operating Humidity | ≤ 95% |
| Protection | IP67; IK10; TVS 8000V lightning proof; surge protection; voltage transient protection |

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Structure

| | |
|--------------------|--------------------------------------|
| Product Dimensions | 337.4 mm × Φ209 mm (13.28" × Φ8.23") |
| Net Weight | 5.8 kg (12.79 lb) |
| Gross Weight | 9.4 kg (20.72 lb) |

Dimensions (mm[inch])

