# KBVISION

# KX-DAi2008PN

## 2MP 25x Starlight IR Network PTZ Camera

- · 1/2.8" 2Megapixel STARVIS™ CMOS
- · Powerful 25x optical zoom
- · Starlight Technology
- · Max. 50/60fps@1080P
- · IR distance up to 150 m
- · SMD PLUS
- · Deep-learning-based perimeter protection
- · Auto-tracking and IVS
- · PoE+
- · IP67, IK10

H.265 | WDR | 0.005Lux | IP67 | PoE+ | Vandal-proof

| Camera | |
|---|---|
| Image Sensor | 1/2.8" CMOS |
| Max. Resolution | 1920 (H) × 1080 (V) |
| Pixel | 2MP |
| ROM | 4GB |
| RAM | 1GB |
| Electronic Shutter Speed | 1/3–1/30000 s |
| Scanning System | Progressive |
| Min. Illumination | Color: 0.005Lux@F1.6<br>B/W: 0.0005Lux@F1.6<br>0Lux (IR light on) |
| Illumination Distance | 150 m (492.13 ft) |
| Illuminator On/Off Control | Zoom Prio/Manual/SmartIR/Off |
| Illuminator Number | 4 |

| Lens | | | | |
|---|---|---|---|---|
| Focal Length | 5.4 mm–135 mm | | | |
| Max. Aperture | F1.6-F3.5 | | | |
| Field of View | H: 58.7°–3.1°; V: 33.2°–1.7°; D: 67.3°–3.9° | | | |
| Optical Zoom | 25x | | | |
| Focus Control | Auto/Semi-Auto/Manual | | | |
| Close Focus Distance | 0.1 m–1.5 m (0.32 ft–4.92 ft) | | | |
| Iris Control | Auto/Manual | | | |
| DORI Distance | Detect | Observe | Recognize | Identify |
| | 1655 m (5429.79 ft) | 657 m (2155.51 ft) | 331 m (1085.96 ft) | 166 m (544.62 ft) |

| PTZ | |
|---|---|
| Pan/Tilt Range | Pan: 0°–360°; Tilt: -15°–+90° |
| Manual Control Speed | Pan: 0.1°/s–300°/s; Tilt: 0.1°/s–200°/s |
| Preset Speed | Pan: 400°/s; Tilt: 300°/s |

| | |
|---|---|
| Presets | 300 |
| Tour | 8 (up to 32 preset per tour) |
| Pattern | 5 |
| Scan | 5 |
| Speed Adjustment | Support |
| Power-off Memory | Support |
| Idle Motion | Preset/Tour/Pattern/Scanning |
| Protocol | DH-SD<br>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 | Object Abandoned/Missing |

| Artificial Intelligence | |
|---|---|
| Smart Capture | Support human, motor vehicle and non-motor vehicle image capture. |
| 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. |
| SMD PLUS | Support |
| Auto Tracking | Support |
| Face Detection | Support |

| Video | |
|---|---|
| Compression | H.265/H.265+/H.264+/H.264/MJPEG (Sub Stream) |
| Streaming Capability | 3 streams |
| Resolution | 1080P (1920 × 1080); 1.3 M (1280 × 960); 720P (1280 × 720); D1 (704 × 576/704 × 480); CIF (352 × 288/352 × 240) |
| Frame Rate | Main stream: 1080P/1.3 M/720P (1–50/60 fps)<br>Sub stream 1: D1/CIF (1–25/30 fps)<br>Sub stream 2: 1080P/1.3M/720P/D1/CIF (1–25/30 fps) |
| Bit Rate Control | Variable/Constant |

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Design and specifications are subject to change without notice.
Pictures in the document are for reference only, and the actual product shall prevail.

| Bit Rate | H.265/H.264: 3 kbps–20480 kbps |
|---|---|
| Day/Night | Auto(ICR)/Color/B/W |
| BLC | Support |
| WDR | 120dB |
| 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 |
| Region of Interest (RoI) | Support |
| Image Stabilization | Electronic |
| Defog | Support |
| Digital Zoom | 16x |
| Flip | 180° |
| Privacy Masking | Up to 24 areas, and up to 8 areas in the same view |
| **Audio** | |
| Compression | G.711A; G.711Mu; G.726; AAC; MPEG2-Layer2; G.722.1; G.729; G.723 |
| **Network** | |
| Ethernet | 1 RJ-45 Port 10/100Base-T |
| Protocol | IPv4; IPv6; HTTP; HTTPS; 802.1x; Qos; FTP; SMTP; UPnP; SNMPv1/v2c/v3(MIB-2); DNS; DDNS; NTP; RTSP; RTP; TCP; UDP; IGMP; ICMP; DHCP; PPPoE; ARP; RTCP |
| Interoperability | ONVIF Profile S&G&T; CGI |
| Streaming Method | Unicast/Multicast |
| User/Host | 20 (Total bandwidth 64M) |
| Storage | FTP; Micro SD card (256G); NAS |
| Browser | IE7 and newer versions<br>Chrome 42 and older versions<br>Firefox 52 and older versions<br>Safari |
| Management Software | KBiVMS, KBView, KBView Plus |
| Mobile Phone | IOS/Android |

| **Port** | |
|---|---|
| Audio Input | 1 (LINE IN; bare wire) |
| Audio Output | 1 (LINE OUT; bare wire) |
| Alarm I/O | 2/1 |
| **Power** | |
| Power Supply | AC24V/3A±25%<br>POE+ |
| Power Consumption | 8W<br>20W (IR light on) |
| **Environment** | |
| Operating Temperature | −40°C to +70°C (−40°F to +158°F) |
| Operating Humidity | ≤95%RH |
| Protection | IP67; IK10; TVS 6000V lightning protection; surge protection |
| **Structure** | |
| Casing | Metal |
| Dimensions | Φ190 mm×332 mm (7.48"×13.07") |
| Net Weight | 4.7 kg (10.36 lb) |
| Gross Weight | 8 kg (17.64 lb) |

**Dimensions (mm[inch])**