

KX-DAi2005MN-EA

2MP WDR IR Bullet AI Network Camera



- 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS
- H.265&H.264 triple-stream encoding
- 25/30fps@1080P(1920×1080)
- WDR(120dB), Day/Night(ICR), 3D DNR, AWB, AGC, BLC
- 2.7mm ~13.5mm motorized lens
- 2/1 Alarm in/out, 1/1 audio in/out
- Max. IR LEDs Length 50m
- Micro SD memory, IP67, IK10, PoE+



Technical Specification

Camera

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|--------------------------|--|
| Image Sensor | 1/2.8" 2Megapixel progressive scan STARVIS™ CMOS |
| Effective Pixels | 1920(H) x 1080(V) |
| RAM/ROM | 512MB/128MB |
| Scanning System | Progressive |
| Electronic Shutter Speed | Auto/Manual, 1/3~1/100000s |
| Minimum Illumination | 0.0028Lux/F1.5 (Color,1/3s,30IRE) 0.0217Lux/F1.5 (Color,1/30s,30IRE) 0Lux/F1.5 (IR on) |
| IR Distance | Distance up to 50m (164ft) |
| IR On/Off Control | Auto/ Manual |
| IR LEDs | 4 |

Lens

| | | | | | |
|----------------------|------------------------|-------------|------------|-----------|-----------|
| Lens Type | Motorized | | | | |
| Mount Type | Board-in | | | | |
| Focal Length | 2.7mm~13.5mm | | | | |
| Max. Aperture | F1.5 | | | | |
| Angle of View | H: 109°~30°, V:57°~17° | | | | |
| Optical Zoom | 5x | | | | |
| Aperture Type | Auto | | | | |
| Close Focus Distance | 0.8m(2.62ft) | | | | |
| DORI Distance | Lens | Detect | Observe | Recognize | Identify |
| | W | 44m(144ft) | 18m(59ft) | 9m(30ft) | 4m(13ft) |
| | T | 146m(479ft) | 58m(190ft) | 29m(95ft) | 15m(49ft) |

Pan/Tilt/Rotation

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|-------------------------|--|
| Pan/Tilt/Rotation Range | Pan:0°~360°; Tilt:0°~90°; Rotation:0°~360° |
|-------------------------|--|

Artificial Intelligence

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|----------------------|--|
| Face Capture | Support face image capture |
| Face Attributes | Support 6 kinds of face attributes extraction: Age, Gender, Expression(Jolly/Surprise/Normal/Rage/Sad/Disgusted/Confused/Frightened), Glasses, Mouth Mask, Moustache & Beard |
| Perimeter Protection | Tripwire, Intrusion(Human & Vehicle classification) |
| People Counting | Line crossing people counting, Region people counting |

General Intelligence

| | |
|----------------------|--|
| Event Trigger | Motion detection, Video tampering, Scene changing, Network disconnection, IP address conflict, Illegal Access, Storage anomaly |
| General Intelligence | Object Abandoned/Missing |

Video

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|----------------------|---|
| Compression | H.265+/H.265/H.264+/H.264/H.264B/H.264H/MJPEG(sub stream) |
| Streaming Capability | 3 Streams |

| | |
|--------------------------------------|--|
| Resolution | 1080P(1920×1080)/1.3M(1280×960)/720P(1280×720)/D1(704×576/704×480)/VGA(640×480)/CIF(352×288/352×240) |
| Frame Rate | Main Stream: 1080P(1~25/30fps) |
| | Sub Stream: D1(1~25/30fps) |
| | Third Stream: 1080P(1~6fps) |
| Bit Rate Control | CBR/VBR |
| Bit Rate | H.264: 32~ 8192Kbps H.265: 19~ 7424Kbps |
| Day/Night | Auto(ICR) / Color / B/W |
| BLC Mode | BLC / HLC / WDR(120dB) |
| White Balance | Auto/Natural/Street Lamp/Outdoor/Manual |
| Gain Control | Auto/Manual |
| Noise Reduction | 3D DNR |
| Motion Detetion | Off / On (4 Zone, Rectangle) |
| Region of Interest | Off / On (4 Zone) |
| Electronic Image Stabilization (EIS) | Support |
| Smart IR | Support |
| Defog | Support |
| Digital Zoom | N/A |
| Flip | 0°/90°/180°/270° |
| Mirror | Off / On |
| Privacy Masking | Off / On (4 Area, Rectangle) |

Audio

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|-------------|-----------------------------------|
| Compression | G.711a/ G.711Mu/ AAC/ G.726/G.723 |
|-------------|-----------------------------------|

Network

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|---------------------|---|
| Ethernet | RJ-45 (10/100Base-T) |
| Protocol | HTTP; TCP; ARP; RTSP; RTP; UDP; RTCP;SMTP; FTP; DHCP; DNS; DDNS; PPPoE; IPv4/v6; SNMP;QoS; UPnP;NTP |
| Interoperability | ONVIF(Profile S/Profile G), CGI,Milestone,Genetec,P2P |
| Streaming Method | Unicast / Multicast |
| Max. User Access | 20 Users |
| Edge Storage | NAS FTP Mirco SD card 256GB |
| Web Viewer | IE(versions newer than IE8), Chrome, Firefox, Safari(versions newer than Safari 12) |
| Management Software | KBiVMS, KBView Pro |
| Smart Phone | iOS, Android |

Interface

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|-----------------|--|
| Video Interface | N/A |
| Audio Interface | 1/1 channel In/Out |
| RS485 | N/A |
| Alarm | 2 channel In: 5mA 5VDC 1 channel Out: 300mA 12VDC |

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Electrical

| | |
|-------------------|---|
| Power Supply | DC12V(±30%), PoE+(802.3at)(Class 4) |
| Power Consumption | DC12V:2.5W 11.6W(IR on) 10.3W(heater on) PoE:3.2W 14.6W(IR on) 12.5(heater on) |

Environmental

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|----------------------|--|
| Operating Conditions | -40° C ~ +60° C (-40° F ~ +140° F) / 10%RH~95% RH |
| Storage Conditions | +5° C ~ +40° C (+41° F ~ +104° F) (daily temperature difference within 15° C/59° F) / 10%RH~95% RH |
| Ingress Protection | IP67 |
| Vandal Resistance | IK10 |

Construction

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|--------------|--|
| Casing | Metal, plastic |
| Dimensions | 273.2mm×95.0mm×95.0mm (10.76"×3.74"×3.74") |
| Net Weight | 1.11Kg (2.44lb) |
| Gross Weight | 1.51Kg (3.33lb) |

Dimensions (mm/inch)

