

KX-DAi8104H3

4 Channel Penta-brid 5M-N/1080P Compact 1U DVR

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



- H.265+/H.265 dual-stream video compression
- Supports Full-channel AI-Coding
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 6 channels IP camera inputs, each channel up to 6MP; Max 32 Mbps incoming bandwidth
- Up to 1 channel video stream (analog channel) Perimeter Protection
- Up to 4 channels video stream (analog channel) SMD Plus
- Up to 1 channel video stream (analog channel) human face recognition
- IoT & POS functionalities



| System | |
|-----------------------|--|
| Main Processor | Embedded processor |
| Operating System | Embedded linux |
| Perimeter Protection | |
| Performance | 1 channel, 10 IVS for each channel |
| Object classification | Human/Vehicle secondary recognition for tripwire and intrusion |
| AI Search | Search by target classification (Human, Vehicle) |
| Face Recognition | |
| Performance | Max 8 face pictures/sec processing 1 channel video stream face recognition, only support analog camera |
| Stranger Mode | Detect strangers' faces (not in device's face database). Similarity threshold can be set manually. |
| AI Search | Up to 8 target face images search at same time, similarity threshold can be set for each target face image. |
| Database Management | Up to 10 face databases with 10,000 face images in total. Name, gender, birthday, address, certificate type, certificate No., countries & regions and state can be added to each face picture. |
| Database Application | Each database can be applied to video channels independently. |
| Trigger Events | Buzzer, Voice Prompts, Email, Snapshot, Recording, Alarm Out, PTZ Activation, etc. |
| SMD Plus | |
| Performance | 4 channels |
| AI Search | Search by target classification (Human, Vehicle) |
| Video and Audio | |
| Analog Camera Input | 4 channels, BNC |
| HDCVI Camera Input | 5MP, 4MP, 1080P@ 25/30 fps, 720P@ 50/60 fps, 720P@ 25/30 fps |
| AHD Camera Input | 5MP, 4MP, 1080P@ 25/30 fps, 720P@ 25/30 fps |

| TVI Camera Input | 5MP, 4MP, 1080P@ 25/30 fps, 720P@ 25/30 fps |
|----------------------|---|
| CVBS Camera Input | PAL/NTSC |
| IP Camera Input | 4+2 channels, each channel up to 6MP |
| Audio In/Out | 1/1, RCA |
| Two-way Talk | Reuse audio in/out, RCA |
| Recording | |
| Compression | AI Coding/H.265+/H.265/H.264+/H.264 |
| Resolution | 5M-N; 4M-N; 1080P; 1080N; 720P; 960H; D1; CIF |
| Record Rate | Main stream: All channel 5M-N (1 fps-10 fps); 4M-N/1080P (1 fps-15 fps); 1080N/720P/960H/D1/CIF (1 fps-25/30 fps) Sub stream: D1/CIF (1 fps-15fps) |
| Bit Rate | 32 kbps-6144 kbps per channel |
| Record Mode | Manual; Schedule (General, Continuous); MD (Video detection: Motion Detection, Video Loss, Tampering); Alarm; Stop |
| Record Interval | 1 min- 60 min (default: 60 min), Pre-record: 1 s-30 s, Post-record: 10 s-300 s |
| Audio Compression | G.711A; G.711U; PCM |
| Audio Sample Rate | 8 KHz, 16 bit per channel |
| Audio Bit Rate | 64 kbps per channel |
| Display | |
| Interface | 1 HDMI; 1 VGA |
| Resolution | 1920 × 1080; 1280 × 1024; 1280 × 720 |
| Multi-screen Display | When IP extension mode not enabled: 1/4 When IP extension mode enabled: 1/4/6 |
| OSD | Camera title; Time; Video loss; Camera lock; Motion detection; Recording |
| Network | |
| Interface | 1 RJ-45 Port (100 MB) |

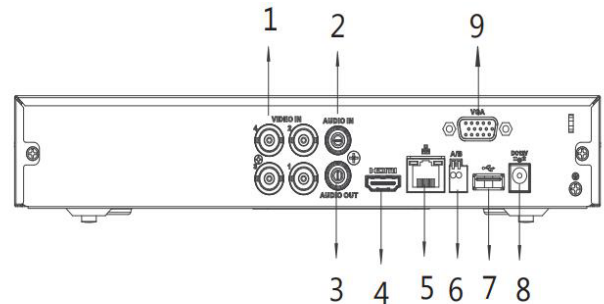
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|----------------------------------|--|
| Network Function | HTTP; HTTPS; TCP/IP; IPv4/IPv6; Wi-Fi; 3G/4G; SNMP; UPnP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPoE; DDNS; FTP; Alarm Server; P2P; IP Search (Supports KBVISION IP camera, DVR, NVS, etc.) |
| Max. User Access | 128 users |
| Smart Phone | iPhone; iPad; Android |
| Interoperability | ONVIF 16.12, CGI Conformant |
| Video Detection and Alarm | |
| Trigger Events | Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips |
| Video Detection | Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis |
| Alarm input | N/A |
| Relay Output | N/A |
| Playback and Backup | |
| Playback | 1/4 |
| Search Mode | Time /Date, Alarm, MD and Exact Search (accurate to second) |
| Playback Function | Play; Pause; Stop; Rewind; Fast play; Slow Play; Next File; Previous File; Next Camera; Previous Camera; Full Screen; Repeat; Shuffle; Backup Selection; Digital Zoom |
| Backup Mode | USB Device/Network |
| Storage | |
| Internal HDD | 1 SATA port, up to 6 TB capacity |
| eSATA | N/A |
| Auxiliary Interface | |
| USB | 2 USB ports (USB 2.0) |
| RS485 | 1 port, for PTZ control |
| RS232 | N/A |
| Electrical | |
| Power Supply | DC 12V/1.5A |
| Power Consumption (Without HDD) | < 4W |

| | |
|----------------------------|---|
| Construction | |
| Dimensions | Compact 1U, 260 mm × 238 mm × 48 mm (10.24" × 9.34" × 1.87") |
| Net Weight (without HDD) | 0.84 kg (1.85 lb) |
| Gross Weight | 1.37 kg (3.02 lb) |
| Installation | Desktop installation |
| Environmental | |
| Operating Conditions | -10°C to +55°C (+14°F to +131°F), 0%–90% (RH) |
| Storage Conditions | -20°C to +70°C (-4°F to +158°F), 0%–90% (RH) |
| Third-party Support | |
| Third-party Support | Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more |
| Panels | |



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|---|--------------------------|---|--------------------|
| 1 | VIDEO IN | 6 | RS485 Interface |
| 2 | AUDIO IN, RCA Connector | 7 | USB Interface |
| 3 | AUDIO OUT, RCA Connector | 8 | DC 12V Power Input |
| 4 | HDMI Interface | 9 | VGA Interface |
| 5 | Network Interface | | |