

# KX-DAi8108TH3

## 8 Channel Penta-brid 5M-N/1080P 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 12 channels IP camera inputs, each channel up to 6MP; Max 64 Mbps incoming bandwidth
- Up to 1 channel video stream (analog channel) Perimeter Protection
- Up to 8 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 <sup>®</sup> ions 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	8 channels
AI Search	Search by target classification (Human, Vehicle)
Video and Audio	
Analog Camera Input	8 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	8+4 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-15 fps)
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: 1/4/8/9 When IP extension mode enabled: 1/4/8/9/16
OSD	Camera title; Time; Video loss; Camera lock; Motion detection; Recording
Network	
Interface	1 RJ-45 Port (100 MB)

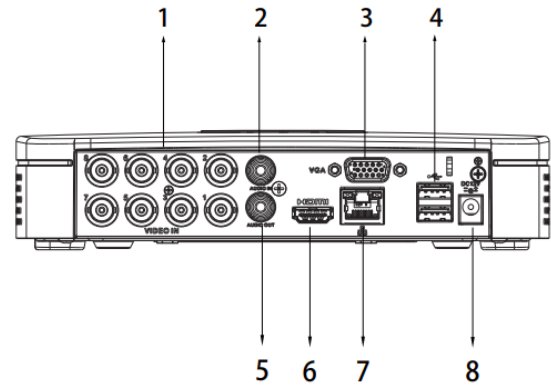
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Network Function	HTTP; HTTPS; TCP/IP; IPv4/IPv6; Wi-Fi; 3G/4G; SNMP; UPnP; RTSP; UDP; SMTP; NTP; DHCP; DNS; IP Filter; PPPoE; DDNS; FTP; Alarm Server; P2P; IP Search (Supports Dahua IP camera, DVR, NVS, etc.)
Max. User Access	128 users
Smart Phone	iPhone; iPad; Android
Interoperability	ONVIF 16.12, CGI Conformant
<b>Video Detection and Alarm</b>	
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
<b>Playback and Backup</b>	
Playback	1/4/9 It changes to 1/4 split when Face or IVS&SMD is selected in AI Mode.
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
<b>Storage</b>	
Internal HDD	1 SATA port, up to 10 TB capacity
eSATA	N/A
<b>Auxiliary Interface</b>	
USB	2 USB ports (USB 2.0)
RS485	1 port, for PTZ control
RS232	N/A
<b>Electrical</b>	
Power Supply	DC 12V/2A
Power Consumption (Without HDD)	< 7W

<b>Construction</b>	
Dimensions	Compact 1U, 260 mm × 238 mm × 48 mm (10.24" × 9.34" × 1.87")
Net Weight (without HDD)	0.56 kg (1.23 lb)
Gross Weight	1.1 kg (2.43 lb)
Installation	Desktop installation
<b>Environmental</b>	
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)
<b>Third-party Support</b>	
Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
<b>Panels</b>	



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|----------------------------|---------------------------|
| 1 VIDEO IN                 | 2 AUDIO IN, RCA Connector |
| 3 VGA Port                 | 4 USB Ports               |
| 5 AUDIO OUT, RCA Connector | 6 HDMI Port               |
| 7 Network Port             | 8 Power Input             |