

KX-CAi7116H1

16 Channel Penta-brid 720P 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 video compression
- Supports Full-channel AI-Coding
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 18 channels IP camera inputs, each channel up to 6MP; Max 64 Mbps Incoming Bandwidth
- Long transmission distance over coax cable
- Up to 8 channels video stream (analog channel) SMD Plus



System	
Main Processor	Embedded processor
Operating System	Embedded linux
SMD Plus	
Performance	8 channels
AI Search	Search by target classification (Human, Vehicle)
Video and Audio	
Analog Camera Input	16 Channel, BNC
HDCVI Camera	1080P@ 25/30 fps, 720P@ 50/60 fps, 720P@ 25/30 fps
AHD Camera	1080P@ 25/30 fps, 720P@ 25/30 fps
TVI Camera	1080P@ 25/30 fps, 720P@25/30 fps
CVBS Camera	PAL/NTSC
IP Camera Input	16+2: each channel up to 6MP
Audio In/Out	1/1, RCA
Two-way Talk	Reuse audio in/out, RCA
Recording	
Video Compression	AI Coding/H.265+/H.265/H.264+/H.264
Resolution	1080N; 720P; 960H; D1; CIF
Record Rate	Main Stream: the 1st channel 1080N/720P (1 fps–25/30 fps), others 1080N/720P (1 fps–15 fps); 960H/D1/CIF (1 fps–25/30 fps) Sub stream: CIF (1 fps–7 fps)
Video Bit Rate	32 kbps–4096 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 sec–30 sec, Post-record: 10 sec–300 sec
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: 1/4/8/9/16 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)
Network Function	HTTP; HTTPS; TCP/IP; IPv4/IPv6; Wi-Fi; 3G/4G; 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	1/4/9/16
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 10 TB capacity
eSATA	N/A
Auxiliary Interface	
USB	2 USB 2.0
RS232	N/A

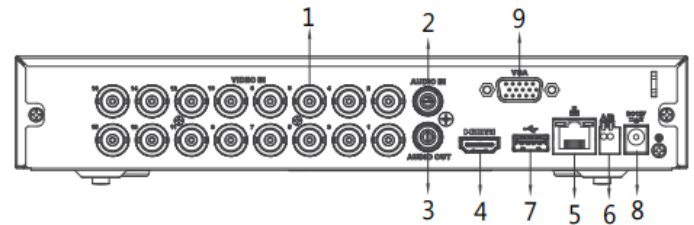
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RS485	1 port, for PTZ control
Electrical	
Power Supply	DC 12V/2A
Power Consumption (without HDD)	< 10W
Construction	
Dimensions	Compact 1U, 260 mm × 236 mm × 48 mm (10.2" × 9.3" × 1.9")
Net Weight (without HDD)	1.042 kg (3.00 lb)
Gross Weight	1.48 kg (3.26 lb)
Installation	Desktop installation
Environmental	
Operating Conditions	-10°C to +55°C (+14°F to +131°F), 10%–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 | | |