

KX-CAi7116H1

16 Channel Penta-brid 720P Compact 1U DVR

Design and specifications are subject to change without notice.
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- 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



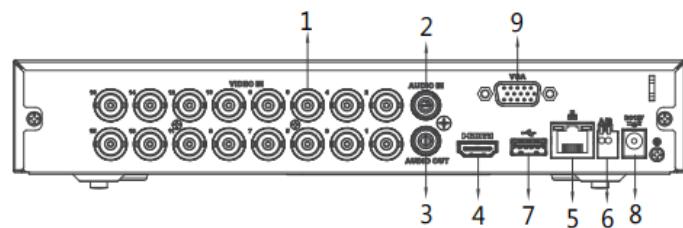
System		Resolution	1920 × 1080; 1280 × 1024; 1280 × 720
Main Processor	Embedded processor	Multi-screen Display	When IP extension mode not enabled: 1/4/8/9/16 When IP extension mode enabled: 1/4/8/9/16
Operating System	Embedded linux	OSD	Camera title; Time; Video loss; Camera lock; Motion detection; Recording
SMD Plus		Network	
Performance	8 channels	Interface	1 RJ-45 Port (100 MB)
AI Search	Search by target classification (Human, Vehicle)	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.)
Video and Audio		Max. User Access	128 users
Analog Camera Input	16 Channel, BNC	Smart Phone	iPhone; iPad; Android
HDCVI Camera	1080P@ 25/30 fps, 720P@ 50/60 fps, 720P@ 25/30 fps	Interoperability	ONVIF 16.12, CGI Conformant
AHD Camera	1080P@ 25/30 fps, 720P@ 25/30 fps	Video Detection and Alarm	
TVI Camera	1080P@ 25/30 fps, 720P@25/30 fps	Trigger Events	Recording, PTZ, Tour, Video Push, Email, FTP, Snapshot, Buzzer and Screen Tips
CVBS Camera	PAL/NTSC	Video Detection	Motion Detection, MD Zones: 396 (22 × 18), Video Loss, Tampering and Diagnosis
IP Camera Input	16+2: each channel up to 6MP	Alarm input	N/A
Audio In/Out	1/1, RCA	Relay Output	N/A
Two-way Talk	Reuse audio in/out, RCA	Playback and Backup	
Recording		Playback	1/4/9/16
Video Compression	AI Coding/H.265+/H.265/H.264+/H.264	Search Mode	Time/Date, Alarm, MD and Exact Search (accurate to second)
Resolution	1080N; 720P; 960H; D1; CIF	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
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)	Backup Mode	USB Device/Network
Video Bit Rate	32 kbps–4096 kbps per channel	Storage	
Record Mode	Manual; Schedule (General, Continuous); MD (Video detection: Motion Detection, Video Loss, Tampering); Alarm; Stop	Internal HDD	1 SATA port, up to 10 TB capacity
Record Interval	1 min–60 min (default: 60 min), Pre-record: 1 sec–30 sec, Post-record: 10 sec–300 sec	eSATA	N/A
Audio Compression	G.711A; G.711U; PCM	Auxiliary Interface	
Audio Sample Rate	8 KHz, 16 bit per channel	USB	2 USB 2.0
Audio Bit Rate	64 kbps per channel	RS232	N/A
Display			
Interface	1 HDMI; 1 VGA		

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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

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		