KBVISION

KX-CAi7104TH1
4 Channel 1080N Smart 1U 1HDD DVR

· H.265+/H.265 dual-stream video compression
· Supports Full-channel AI-Coding
· Supports HDCVI/AHD/TVI/CVBS/IP video inputs
· Max 5 channels IP camera inputs, each channel up to 2MP;
· Max 32 Mbps incoming bandwidth
· Up to 4 channels video stream (analog channel) SMD Plus

| SMD Plus | AI Coding | H.265 | 1080p HDMI / VGA | Coax Audio | Long Distance 1200m |

System	
Main Processor	Embedded processor
Operating System	Embedded linux
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	1080p@25/30 fps, 720p@50/60 fps, 720p@25/30 fps
AHD Camera Input	1080p@ 25/30 fps, 720p@ 25/30 fps
TVI Camera Input	1080p@25/30 fps, 720p@25/30 fps
CVBS Camera Input	PAL/NTSC
IP Camera Input	4+1 channels, each channel up to 2MP
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	1080N; 720p; 960H; D1; CIF
Record Rate	Main Stream: 4-channel: All channels 1080N/720p/960H/D1/CIF/(1 fps–25/30 fps) Sub stream: 4-channel: 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 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 Mbps)
Network Protocol	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	N/A
RS232	N/A
Electrical	

Power Supply	DC 12V/1.5A
Power Consumption (Without HDD)	< 4W
Construction	
Dimensions	Smart 1U, 204.6 mm × 210.9 mm × 45.6 mm (8.06'' × 8.30'' × 1.80'')
Net Weight (without HDD)	0.47 kg (1.03lb)
Gross Weight	1.04 kg (2.30 lb)
Installation	Desktop installation
Environmental	
Operating Conditions	-10°C to +45°C (+14°F to +113°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
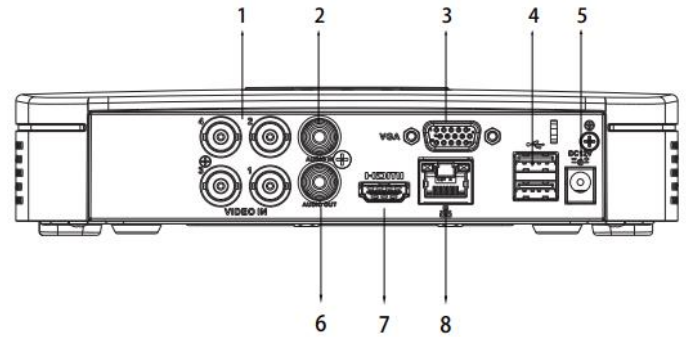
1	VIDEO IN	2	AUDIO IN, RCA Connector
3	VGA Port	4	USB Ports
5	Power Input	6	AUDIO OUT, RCA Connector
7	HDMI Port	8	Network Port