

KX-D8416H1

16 Channel Penta-brid 1080P 1.5U Digital Video Recorder



- H.265+/H.265 dual-stream video compression
- Supports HDCVI/AHD/TVI/CVBS/IP video inputs
- Max 24 channels IP camera inputs, each channel up to 8MP; Max 96Mbps incoming bandwidth
- 8 channels support Tripwire & Intrusion; First 2 channels support Object Abandoned & Missing
- KX-8416H1 supports HDMI2 for spot output



Technical Specification

System

Main Processor	Embedded Processor
Operating System	Embedded LINUX

Video and Audio

Analog Camera Input	16 Channel, BNC
HDCVI Camera	5MP, 4MP, 1080P@25/30fps, 720P@50/60fps, 720P@25/30fps
AHD Camera	5MP, 4MP, 1080P@25/30, 720P@25/30fps
TVI Camera	5MP, 4MP, 1080P@25/30, 720P@25/30fps
CVBS Camera	PAL/NTSC
IP Camera Input	16+8 Channel, each channel up to 8MP
Audio In/Out	4/1, BNC
Two-way Talk	1 Mic In, 1 Mic Out, BNC

Recording

Compression	H.265+/H.265/H.264+/H.264
Resolution	5M-N, 4M-N, 1080P, 1080N, 720P, 960H, D1, CIF
Record Rate	Main stream:the 1st & 2nd channel 5M-N(1~10fps) , others 4M-N/1080P(1~15fps); 1080N/720P/960H/ D1/CIF (1~25/30fps) Sub stream: D1/CIF(1~15fps)
Bit Rate	32Kbps ~ 6144Kbps Per Channel
Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Record Interval	1 ~ 60 min (default: 60 min), Pre-record: 1 ~ 30 sec, Post-record: 10 ~ 300 sec
Audio Compression	AAC(only for the 1st channel), G.711A, G.711U, PCM
Audio Sample Rate	8KHz, 16 bit Per Channel
Audio Bit Rate	64Kbps Per Channel

Display

Interface	2 HDMI, 1 VGA, 1 TV
Resolution	HDMI 1:3840x2160, 2560x1440 1920x1080, 1280x1024, 1280x720 HDMI 2 / VGA: 1920x1080, 1280x1024, 1280x720 1920x1080, 1280x1024, 1280x720
Multi-screen Display	When IP extension mode not enabled:1/4/8/9/16 When IP extension mode enabled:1/4/8/9/16/25
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

Network

Interface	1 RJ-45 Port (1000M)
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 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 x 18), Video Loss, Tampering and Diagnosis
Alarm input	16
Relay Output	6

Playback and Backup

Playback	1/4/8/16
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	4 SATA Ports, up to 10TB capacity
eSATA	1 Port

Auxiliary Interface

USB	3 USB Ports (1 USB 2.0 , 2 USB 3.0)
RS232	1 port, for PC communication & Keyboard
RS485	1 Port, for PTZ Control
RS422	1 Port, for PTZ Control

Electrical

Power Supply	AC100V-240V, 50/60Hz
Power Consumption (Without HDD)	<35W

Construction

Dimensions	1.5U, 440mmx417mmx76mm (17.3"x 16.4" x 3.0")
Net Weight (Without HDD)	5kg (11.0lb)
Gross Weight	7kg (15.43lb)
Installation	Desktop installation/Rack-mounted

Environmental

Operating Conditions	-10°C ~ +55°C (+14°F ~ +131°F), 10%~ 90% RH
Storage Conditions	-20°C ~ +70°C (-4°F ~ +158°F) , 0~ 90% RH

Third-party Support

Third-party Support	Arecont Vision, AXIS, Bosch, Brickcom, Canon, CP Plus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
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