KBVISION

KX-E4K8416-D
16 Channel Penta-brid 4K 1.5U 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.264/H264+dual-stream video compression
· Supports HDCVI/AHD/TVI/CVBS/IP video inputs
· Max 24 channels IP camera inputs, each channel up to 4 MP
· Max 96 Mbps incoming bandwidth
· Supports 5 MP camera input
· Supports simultaneous display of VGA, HDMI and TV
· Supports 4 SATA HDD, up to 8 TB capacity for each disk
· Smart Search and Intelligent Video System

Face Detection · IVS · Sound and Light Alarm · 5Mp · 1080p HDMI/VGA · 4K HDMI

System	
Main Processor	Embedded processor
Operating System	Embedded linux
Face Detection	
Face Detection	Only for the 1st channel, only support analog camera
IVS Analytics	
IVS	1 channel, 10 IVS for each channel, only support analog camera
Audio and Video	
Analog Camera Input	16 channels, BNC
HDCVI Camera Input	4K; 6 MP; 5 MP; 4 MP; 3 MP; 1080p; 720p
AHD Camera Input	4K; 6 MP; 5 MP; 4 MP; 3 MP; 1080p; 720p
TVI Camera Input	4K; 6 MP; 5 MP; 4 MP; 3 MP; 1080p; 720p
CVBS Camera Input	PAL/NTSC
IP Camera Input	16+8 channels, each channel up to 4 MP
Audio Input	4 BNC
Audio Output	1 BNC
Two-way Talk	1 Mic In, 1 Mic Out, BNC
Display	
Interface	2 HDMI, 1 VGA, 1 TV
Resolution	HDMI: 3840 × 2160, 2560 × 1440, 1920 × 1080, 1280 × 1024, 1280 × 720 VGA: 1920 × 1080, 1280 × 1024, 1280 × 720
Multi-screen Display	When IP extension mode enabled: 1/4/8/9/16/25 When IP extension mode not enabled: 1/4/8/9/16
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording
Recording	
Compression	H.264+/H.264
Resolution	4K, 6MP, 5MP, 4MP, 3MP, 1080P, 720P, 960H, D1, CIF, BCIF, QCIF etc.
Record Rate	Main stream: All channel 4K (1 fps–7 fps); 6 MP (1 fps–10 fps); 5 MP (1 fps–12 fps); 4 MP/3 MP(1 fps–15

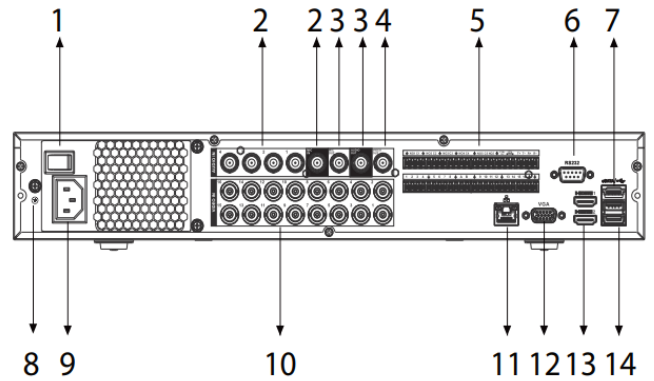|	
	fps);/1080p/720p/960H/D1/CIF (1 fps–25/30 fps); Sub steram: 960H (1 fps–15 fps);1/CIF (1 fps–25/30 fps)
Bit Rate	32 Kbps–6144 Kbps Per Channel
Record Mode	Manual, Schedule (General, Continuous), MD (Video detection: Motion Detection, Video Loss, Tampering), Alarm, Stop
Audio Sample Rate	8 KHz, 16 bit Per Channel
Audio Bit Rate	64 Kbps Per Channel
Audio Compression	G.711A; G.711U; PCM
Alarm	
General Alarm	Motion detection, Video Loss, tampering
Anomaly Alarm	No disk, disk error, low space, offline, ip conflict, MAC conflict
Intelligent Alarm	Face detection, IVS
Alarm Linkage	Record, snapshot (panoramic), IPC external alarm output, access controller, voice prompt, buzzer, log, preset, email
Alarm input	16 Channel
Relay Output	6 Channel
Playback and Backup	
Sync Playback	1/4/9/16
Search Mode	Time /Date, Alarm, MD and Exact Search (accurate to second)
Playback Function	Instant playback, general playback, event playback, tag playback, smart playback (face and motion detection)
Backup Mode	USB Device/Network
Third-party Support	
Third-party Support	Dahua, Arecont Vision, AXIS, Bosch, Brickcom, Canon, CPPlus, Dynacolor, Honeywell, Panasonic, Pelco, Samsung, Sanyo, Sony, Videotec, Vivotek, and more
Network	
Interface	1 RJ-45 Ports (1000Mbps)
Network Function	HTTP, HTTPS, TCP/IP, IPv4/IPv6, Wi-Fi, SNMP, UPnP, RTSP, SMTP, NTP, DHCP, DNS, PPPoE, DDNS, FTP, Alarm Server, IP Search (Supports KBVISION IP camera, DVR, NVS, etc.)

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Max. User Access	128 users
Smart Phone	iPhone, iPad, Android
Interoperability	ONVIF (profile S), SDK, CGI
Storage	
Internal HDD	4 SATA III Ports, Up to 8 TB capacity for each HDD
eSATA	1 eSATA
Auxiliary Interface	
USB	3 USB Ports (2 Rear USB 3.0, 1 Front USB 2.0)
RS232	1 Port, for PC Communication and Keyboard
RS485	1 Port, for PTZ Control
Electrical	
Power Supply	AC 220 V
Power Consumption	≤ 35 W (Without HDD)
Environmental	
Operating Temperature	-10°C ~ +55°C (+14°F ~ +131°F)
Operating Humidity	0 ~ 90%
Construction	
Dimensions	1.5U, 440 mm × 417 mm × 76mm (17.3" × 16.4" × 3.0")
Net Weight	≤ 4.8 kg (10.58 lb) (without HDD)
Installation	Desktop installation/Rack-mounted

Panels

1	Power Switch	2	AUDIO IN, RCA Connector
3	AUDIO OUT, RCA Connector	4	VIDEO OUT
5	Alarm In/Out	6	RS-232 Port
7	eSATA Port	8	Ground
9	Power Input	10	VIDEO IN
11	Network Port	12	VGA Port