

HKIZ-16960H

16 Channel Effio 960H 2U Standalone DVR



HKIZ-16960H: Full channel 960H recording, 16 channel video inputs, 16 channel audio inputs, 16 channel loop outputs and 1 channel spot output with multi split display. It can support HDMI, VGA, eSATA, USB2.0 and 8 HDDs.

Features

- > 16 channel Effio 960H 2U standalone DVR
- > Dual-core CPU presents the powerful preview, recording, playback and network performance
- > Up to 16 Effio cameras with 1080P realtime preview
- > H.264 dual-stream video compression
- > Full channel @ 960H(960x576/960x480) realtime recording
- > HDMI / VGA / TV/Spot(BNC) synchronous video output
- > All channel simultaneous realtime playback, GRID interface & smart search
- > Smart video detection: MD, camera blank, video loss
- > 3D intelligent positioning with Itzumi PTZ dome camera
- > Easy backup: USB devices, CD/DVD-RW & network download
- > Alarm triggering screen tips, buzzer, PTZ, e-mail & FTP upload
- > Support 8 SATA HDDs up to 24TB, 1 eSATA up to 12TB, 3 USB2.0
- > Built-in web server, CMS(DSS/PSS) & DMSS

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Specifications

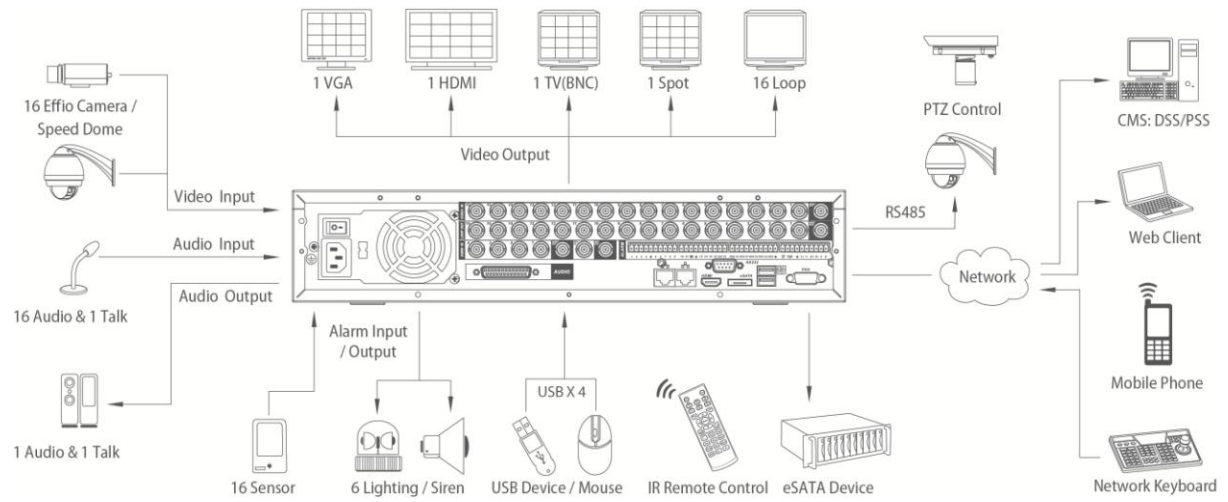
Model	HKIZ-16960H
System	
Main Processor	High performance Dual-core embedded microprocessor
Operating System	Embedded LINUX
System Resources	Pentaplex function: live, recording, playback, backup & remote access
Control Mode	Front panel, USB mouse, IR remote control, Keyboard, Network
Video	
Input	16 channel, BNC(1.0Vp-p, 75Ω)
Standard	NTSC/ PAL, Effio 960H camera
Output	1 HDMI, 1 VGA, 1 TV, 1 Spot, BNC(1.0Vp-p, 75Ω)
Loop Output	16 channel
Audio	
Input	16 channel, BNC(200-2800mV, 30KΩ)
Output	1 channel, BNC(200-3000mV, 5KΩ)
Bidirectional Talk	1 channel Input, BNC(200-2800mV, 30KΩ), 1 channel Output, BNC(200-3000mV, 5KΩ)
Display	
Display Split	1/4/8/9/16
Spot Split	1/4/9/16
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768
Tour Display	Support
Privacy Masking	4 self-defined four-sided zones for privacy masking for each camera
OSD	Camera title, time, video loss, camera lock, motion detection, recording
Recording	
Video/Audio Compression	H.264 / G.711
Image Resolution	960H(960×576/960×480)/D1/4CIF(704×576/704×480) / HD1(352×576/352×480) / 2CIF(704×288/704×240) / CIF(352×288/352×240) / QCIF(176×144/176×120)
Encoding Speed	Main Stream: 960H/D1/HD1/2CIF/CIF(1~25/30fps) Extra Stream: CIF/QCIF(1~25/30fps)
Bit Rate	32~4096Kb/s
Recording Quality	CBR, VBR(1~6 level, level 6 is the best)
Recording Mode	Manual, Schedule(Regular(Continuous), MD(Video detection: Motion detection, Camera blank, Video loss), Alarm), Stop
Recording Priority	Manual >Alarm >MD >Regular
Recording Interval	1~120 min. (default: 60 min.), Pre-record: 1~30 sec., Post-record: 10~300 sec.
Video Detection & Alarm	

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Trigger Events	Recording, PTZ movement, Tour, Alarm, Email, FTP, Spot, Buzzer & Screen tips	
Motion Detection	Zones: 396(22×18), Sensitivity: 1~6 (level 6 is highest)	
Video Loss & Camera Blank	Support	
Alarm Input	16 channel	
Relay Output	6 channel	
Playback & Backup		
Playback Channel	1/2/4/All	
Search Mode	Time/Date, Alarm, MD & Exact search (accurate to second), Smart search	
Playback Functions	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom(any size)	
Backup Mode	Flash drive/ USB HDD/ USB CD&DVD-RW / eSATA Device / Built-in SATA burner/ Network download	
Network		
Ethernet	RJ-45 port (10/100M/1000M)	
Network Functions	HTTP, TCP/IP, UPNP, RTSP, UDP, SMTP, NTP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Alarm Server	
Remote Operation	Monitor, PTZ control, Playback, System setting, File download, Log information	
Hard Disk		
Hard Disk	8 SATA ports, 8 HDDs or 6 HDDs + 1 CD/DVD-RW, Up to 24TB	
eSATA	4 External SATA ports, up to 12TB	
Space Occupation	Audio: 28.8MB/H, Video: 56~1800MB/H	
HDD Management	HDD Group, HDD hibernation technology, HDD faulty alarm & Raid(Redundancy)	
Auxiliary Interface		
USB Interface	3 ports, For mouse control & backup	
RS232	Itzumi keyboard, PC communication	
RS485	PTZ control	
Environmental		
Power Supply	AC 100~240 V, 50/60 Hz	
Power Consumption	40W	
Working Environment	-10 ~+55°C / 10~90%RH / 86~106kpa	
Dimension	2U, 440mm×460mm×89mm(W×D×H)	
Weight	6.5KG(without HDD)	

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System Connection



* Take HKIZ-16960H for the example