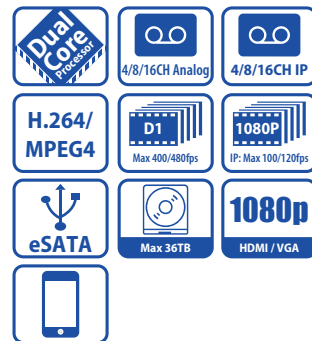


DH-DVR0404/0804/1604HF-U

IP 16CH / Analog 4/8/16CH 2U Hybrid DVR



Model

DH-DVR0404HF-U: 16 channel@D1 / 8 channel@720P / 4 channel@1080P IP camera inputs; 4 channel video inputs with full D1 recording, 4 channel audio inputs, 4 channel loop outputs and 1 channel spot output with multi split display, It can support HDMI, VGA, USB2.0, 8 HDDs and eSATA

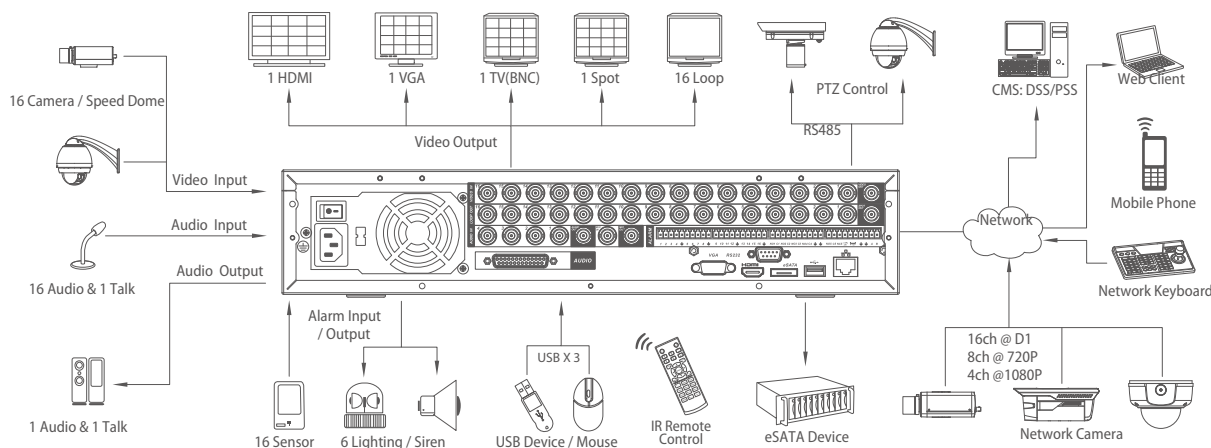
DH-DVR0804HF-U: 16 channel@D1 / 8 channel@720P / 4 channel@1080P IP camera inputs; 8 channel video inputs with full D1 recording, 8 channel audio inputs, 8 channel loop outputs and 1 channel spot output with multi split display, It can support HDMI, VGA, USB2.0, 8 HDDs and eSATA

DH-DVR1604HF-U: 16 channel@D1 / 8 channel@720P / 4 channel@1080P IP camera inputs; 16 channel video inputs with full D1 recording, 16 channel audio inputs, 16 channel loop outputs and 1 channel spot output with multi split display, It can support HDMI, VGA, USB2.0, 8 HDDs and eSATA

Features

- 16 channel IP and 4/8/16 channel analog 2U Hybrid DVR
- Dual-core CPU presents the powerful preview, recording, playback and network performance
- Up to 20/24/32 channel with 1080P realtime live view
- H.264/MPEG-4 decoding & H.264 dual-stream encoding
- IP: 16 channel@D1, 8 channel@720P, 4 channel@1080P realtime recording
- Analog: 4/8/16 channel@D1(4CIF) realtime recording
- All channel simultaneous realtime playback, GRID interface & smart search
- Support Multi-brand network cameras such as: Dahua, Arecont Vision, AXIS, Canon, Dynacolor, Panasonic, SAMSUNG, SANYO, SONY and ONVIF
- Support remote network camera encoding setting & image adjust
- IP Search feature to auto discover network cameras
- Smart video detection: MD, camera blank, video loss
- 3D intelligent positioning with Dahua PTZ dome camera
- Easy backup: USB/eSATA 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, 4 USB2.0
- Built-in web server, CMS(DSS/PSS) & DMSS

System Connection



* Take DVR1604HF-U for the example



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Specifications

Hybrid DVR

Model	DH-DVR0404HF-U		DH-DVR0804HF-U	DH-DVR1604HF-U
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				
IP Camera Input	16 channel@D1 / 8 channel@720P / 4 channel@1080P			
IP Camera Supported List	Dahua, Arecont Vision, AXIS, Canon, Dynacolor, Panasonic, SAMSUNG, SANYO, SONY, ONVIF			
Analog Camera Input	4 channel, BNC(1.0Vp-p, 75Ω)	8 channel, BNC(1.0Vp-p, 75Ω)		16 channel, BNC(1.0Vp-p, 75Ω)
Standard	NTSC(525Line, 60f/s), PAL(625Line, 50f/s)			
Output	1 HDM(video & audio)I, 1 VGA, 1 TV, 1 Spot, BNC(1.0Vp-p, 75Ω)			
Loop Output	4 channel	8 channel		16 channel
Audio				
Input	4 channel, BNC(200-2800mV, 30KΩ)	8 channel, BNC(200-2800mV, 30KΩ)		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	1/4/8/9		1/4/8/9/16
Spot Split	1/4	1/4/8/9		1/4/8/9/16
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 / MPEG4 / G.711			
Recording Resolution	1080P(1920×1080) / 720P(1280×720) / D1 (704×576/704×480) / HD1(352×576/352×480) / 2CIF(704×288/704×240) / CIF(352×288/352×240) / QCIF(176×144/176×120)			
Recording Speed	IP: Max 480fps@D1 / 240fps@720P / 120fps@1080P Analog: Max 400/480fps@D1 + 400/480fps@CIF			
Recording Bit Rate	IP: 32~8192 Kb/s, Analog: 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				
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	4 channel	8 channel		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, IP Search(Support Dahua IP camera, DVR)			
Max Remote Users	20 Users simultaneously			
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: 56~3600MB/H			
HDD Management	HDD Group, HDD hibernation technology, HDD faulty alarm & Raid(Redundancy)			
Auxiliary Interface				
USB Interface	3 USB2.0 ports, For mouse control & backup			
RS232	Dahua keyboard, PC communication			
RS485	PTZ control			
Environmental				
Power Supply	AC 100~240 V, 50/60 Hz			
Power Consumption	25W	30W		40W
Working Environment	-10 ~+55℃ / 10~90%RH / 86~106kpa			
Dimension	2U, 440mm×460mm×89mm(W×D×H)			
Weight	6.5KG(without HDD)			