

DVR HF-A SERIES

4/8/16 Channel Full D1 1080P 1U Standalone DVR



TS-DVR04HF: Full D1 recording, 4 channel video inputs, 4 channel audio inputs, 1 channel spot output with multi split display . It can support HDMI, VGA, USB2.0 and 2 HDDs.

TS-DVR08HF: Full D1 recording, 8 channel video inputs, 8 channel audio inputs, 1 channel spot output with multi split display. It can support HDMI, VGA, USB2.0 and 2 HDDs.

TS-DVR16HF: Full D1 recording, 16 channel video inputs, 4 channel audio inputs, 1 channel spot output with multi split display. It can support HDMI, VGA, USB2.0 and 2 HDDs.

Features

- > 4/8/16 channel full D1 1U standalone DVR
- > Up to 4/8/16 cameras with full HD 1080P display
- > H.264 dual-stream video compression
- > Full channel D1(4CIF) realtime recording
- > HDMI / VGA / TV/Spot(BNC) synchronous video output
- > Live, recording, playback, backup & remote access
- > 16 channel simultaneous realtime playback & smart search
- > Smart video detection: MD, camera blank, video loss
- > 3D intelligent positioning with THYONIX PTZ dome camera
- > Easy backup: USB devices, network download
- > Alarm triggering screen tips, buzzer, PTZ, e-mail & FTP upload
- > Support 2 SATA HDDs, 2 USB2.0
- > Built-in web server, multi-DVR client, DMSS & CMS

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Specifications

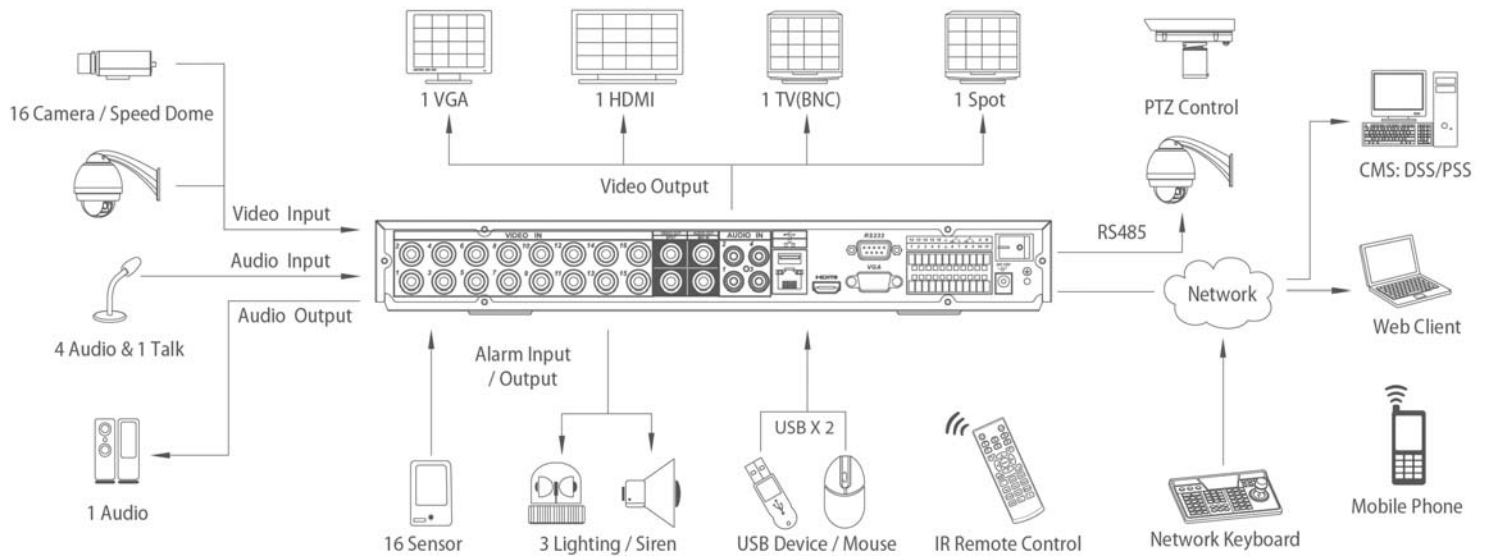
Model	TS-DVR04HF-A	TS-DVR08HF-A	TS-DVR16HF-A
System			
Main Processor	High performance embedded microprocessor		
Operating System	Embedded LINUX		
System Resources	Pentaplex function: live, recording, playback, backup & remote access		
Control Mode	Front panel, USB mouse, IR remote control, Keyboard, Network		
Video			
Input	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 HDMI, 1 VGA, 1 TV, 1 Spot, BNC(1.0Vp-p, 75Ω)		
Audio			
Input	4 channel, RCA(200-2800mV, 30KΩ)	8 channel, RCA(200-2800mV, 30KΩ)	4 channel, RCA(200-2800mV, 30KΩ)
Output	1 channel, RCA(200-3000mV, 5KΩ)		
Bidirectional Talk	1 channel Input, RCA(200-2800mV, 30KΩ)		
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, 800×600		
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	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: D1/HD1/2CIF/CIF(1~25/30fps)		
	Extra Stream: CIF/QCIF(1~25/30fps)		
Bit Rate	32~4096Kb/s		
Image Quality	1~6 level(level 6 is the best, VBR effectively)		
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, Spot output		
Motion Detection	Zones: 396(22×18), Sensitivity: 1~6 (level 6 is highest)		
Video Loss &	Support		

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Camera Blank			
Alarm Input	4 channel	8 channel	16 channel
Relay Output	3 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 / 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	2 SATA ports, Max 2TB HDD supported		
Space Occupation	Audio: 28.8MB/H, Video: 56~1800MB/H		
HDD Management	Hard disk hibernation technology, HDD faulty alarm & Raid(Redundancy)		
Auxiliary Interface			
USB Interface	2 ports, 1 for mouse control, 1 for backup		
RS232	THYONIX keyboard, PC communication		
RS485	PTZ control		
Environmental			
Power Supply	DC12V/3.3A		
Power Consumption	15W(without HDD)		
Working Environment	-10 ~+55℃ / 10~90%RH / 86~106kpa		
Dimension	1U, 375mm×285mm×45mm(W×D×H)		
Weight	2.35KG(without HDD)		

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System Connection



* Take TS-DVR16HF-A for the example