TS-DVR0404/0804/1604HF-L

4/8/16 Channel Full D1 1.5U Standalone DVR

Model

TS-DVR0404HF-L: Full D1 recording, 4 channel video inputs, 4 channel audio inputs, 4 channel loop outputs and 1 channel spot output with multi split display . It can support VGA, HDMI, eSATA, USB2.0 and 4 HDDs.

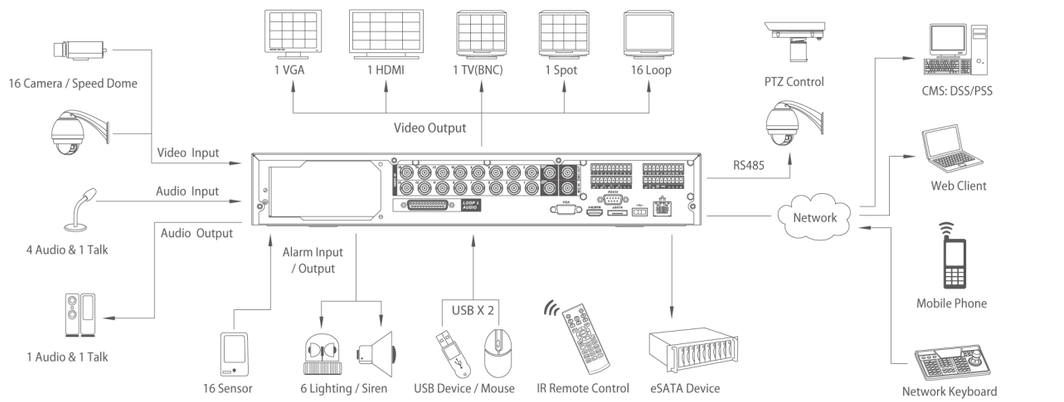
TS-DVR0804HF-L: Full D1 recording, 8 channel video inputs, 4 channel audio inputs, 8 channel loop outputs and 1 channel spot output with multi split display. It can support VGA, HDMI, eSATA, USB2.0 and 4 HDDs.

TS-DVR1604HF-L: Full D1 recording, 16 channel video inputs, 4 channel audio inputs, 16 channel loop outputs and 1 channel spot output with multi split display. It can support VGA, HDMI, eSATA, USB2.0 and 4 HDDs.

Features

- 4/8/16 channel Full D1 1.5U standalone DVR
- Dual-core CPU presents the powerful preview, recording, playback and network performance
- Up to 4/8/16 cameras with 1080P realtime preview
- H.264 dual-stream video compression
- Full channel @ D1(4CIF) 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 Thyonix PTZ dome camera
- Easy backup: USB devices, CD/DVD-RW & network download
- Alarm triggering screen tips, buzzer, PTZ, e-mail & FTP upload
- Support 4 SATA HDDs up to 12TB, 1 eSATA up to 12TB, 2 USB2.0
- Built-in web server, CMS(DSS/PSS) & DMSS

System Connection



* Take DVR1604HF-L for the example

Specifications

Model	TS-DVR0404HF-L	TS-DVR0804HF-L	TS-DVR1604HF-L
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	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)		
Loop Output	4 channel	8 channel	16 channel
Audio			
Input	4 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 / 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		
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		
Remote Operation	Monitor, PTZ control, Playback, System setting, File download, Log information		
Hard Disk			
Hard Disk	4 SATA ports, 4 HDDs or 3 HDDs + 1 CD/DVD-RW, Up to 12TB		
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	2 ports, 1 for mouse control, 1 for backup		
RS232	Thyonix 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	1.5U, 440mm×460mm×68mm(W×D×H)		
Weight	6.0KG(without HDD)		