

# PROFESSIONAL H.264 DVR



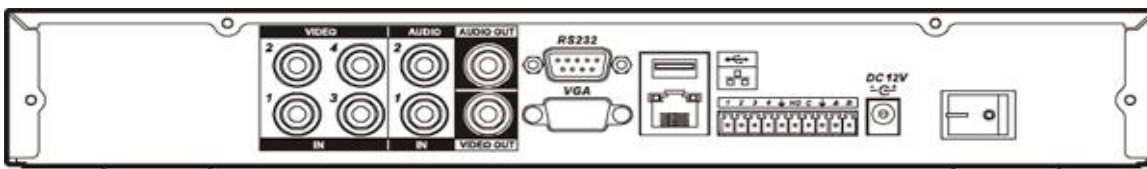
HED ST-RE0404 0804 1604M Entry level  
4/8/16ch DVR

## Model

ST-RE0404M 4 channel realtime DVR model  
ST-RE0804M 8 channel realtime DVR model  
ST-RE1604M 16 channel realtime DVR model

## Features

4 /8/16 channels entry level simple 1U standalone DVR  
Up to 4 /8/16 cameras with SXGA(1280×1024) display  
H.264 video compression algorithm  
Each channel 25 FPS at CIF or 6/7fps at D1 recording  
Dual encoding streams supported  
TV(BNC)/VGA synchronous video output  
Live, recording, playback, backup & remote access  
4 /8/16 channel simultaneous playback  
Smart video detection: MD, camera blank, video loss  
3D intelligent positioning with SAITELL PTZ dome  
Easy backup: USB devices, network download  
Alarm triggering screen tips, buzzer, PTZ, e-mail, FTP upload: ST-RE0404M  
Supports 1 SATA HDD, 2 USB2.0  
Built-in web server, multi-DVR client, MSS & CMS



Model	ST-RE0404M	ST-RE0404ML	ST-RE0804M	ST-RE1604M
<b>System</b>				
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			
<b>Video</b>				
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 TV, BNC(1.0Vp-p, 75Ω), 1 VGA		1 TV, 1 Spot, BNC(1.0Vp-p, 75Ω), 1 VGA	
<b>Audio</b>				
Input	2channel, BNC(200-2800mV, 30KΩ), Channel 1 for bidirectional-talk input synchronously		4 channel, BNC(200-2800mV, 30KΩ), Channel 1 for bidirectional-talk input synchronously	4 channel, BNC(200-2800mV, 30KΩ)
Output	1 channel, BNC(200-3000mV, 5KΩ)			
Bidirectional Talk	/	/	/	1 channel Input, BNC(200-2800mV, 30KΩ)
<b>Display</b>				
Display Split	1/4	1/4/8/9		1/4/8/9/16
Resolution	1280×1024, 1280×720, 1024×768, 800×600			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			
<b>Recording</b>				
Video/Audio Compression	H.264 / G.711			
Image Resolution	D1/4CIF(704×576/704×480) / CIF(352×288/352×240) / QCIF(176×144/176×120)			
Encoding Speed	Main Stream:Channel1:D1/CIF/QCIF (1~25/30fps);		Main Stream:CIF/QCIF(1~25/30fps)D1(1~6/7fps) Extra Stream: QCIF(1~25/30fps), CIF(1~6/7fps)	
	Channel 2~4: CIF/QCIF (1~25/30fps), D1 (1~6 /7fps)			
	Extra Stream: QCIF(1~25/30fps) , CIF(1~6/7fps)			
Bit Rate	32~2048Kb/s		32~1024Kb/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	Manual >MD >Regular	Manual >Alarm >MD >Regular	
Recording Interval	1~120 min. (default: 60 min.), Pre-record: 1~30 sec., Post-record: 10~300 sec.			
<b>Video Detection &amp; Alarm</b>				
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 & Camera Blank	Support			
Alarm Input	4 channel	N/A	8 channel	16 channel
Relay Output	1 channel	N/A	3 channel	
<b>Playback &amp; Backup</b>				
Playback Channel	1/2/4	1/2/4/8		1/2/4/16
Search Mode	Time/Date, Alarm, Motion Detection & Exact search (accurate to second)			

Playback Functions	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom(any size)	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom(any size)	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom(any size)
Backup Mode	Flash drive / USB HDD / USB CD/DVD-RW / Network download		
<b>Network</b>			
Ethernet	RJ-45 port (10/100M)		RJ-45 port (10/100/1000M)
Network Functions	TCP/IP, UDP, DHCP, DNS, IP Filter, PPPOE, DDNS, FTP, Email, Alarm Server		
Remote Operation	Monitor, PTZ control, Playback, System setting, File download, Log information		
<b>Hard Disk</b>			
Hard Disk	1 SATA port, Max 2TB HDD supported		
Space Occupation	Audio: 28.8MB/H, Video: 56~500MB/H		
HDD Management	Hard disk hibernation technology, HDD faulty alarm		
<b>Auxiliary Interface</b>			
USB Interface	2 ports, 1 for mouse control, 1 for backup		
RS485	PTZ control	N/A	PTZ control
<b>Environmental</b>			
Power Supply	AC 100~240 V, 50/60 Hz		
Power Consumption	25W		
Working Environment	-10 ~+55 / 10~90%RH / 86~106kpa		
Dimension	1U, 325mm×245mm×45mm(W×D×H)	1U, 375mm×285mm×45mm(W×D×H)	
Weight	2.0KG(without HDD)	2.35KG(without HDD)	