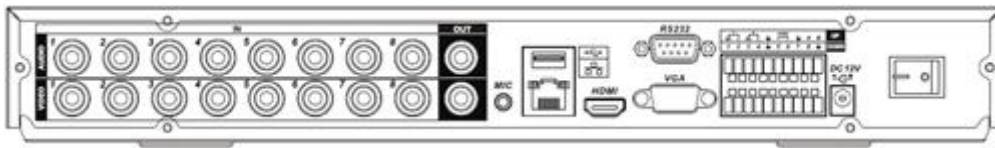


Audio/video Realtime Standalone DVR



Rear Panel



MODELS:

HED ST-RE0404	4 channel audio/video basic model
HED ST-RE0804	8 channel audio/video basic model
HED ST-RE1604	16 channel audio/video basic model

Note:

HED RE0404: 4 channel video inputs and 4 channel audio inputs. The 1st video channel can support max 4CIF realtime recording and other channels can support CIF realtime recording.

HED RE0804: 8 channel video inputs and 8 channel audio inputs. The 1st video channel can support max 4CIF realtime recording and other channels can support CIF realtime recording.

HED RE1604: 16 channel video inputs and 4 channel audio inputs. The 1st and 9th video channels can support max 4CIF realtime recording and other channels can support CIF realtime recording.

FEATURES:

- New entry level with high performance and competitive price
- H.264 compression algorithm ideal for standalone DVR
- Realtime live display up to 16 cameras with 720P high definition, 400/480 fps recording for CIF and special channel 4CIF realtime recording.
- Dual encoding streams support, flexible for network transmission
- Pentaplex function: live, recording, playback, backup & remote access
- Multiple control methods: Front panel, IR remote controller, SAITELL keyboard, USB mouse and network keyboard
- Smart video detection: motion detection, camera blank, video loss
- Smart camera settings: privacy masking, camera lock, color setting, and title display
- Pan Tilt Zoom and Speed Dome Control: more than 60 protocols supported, preset, scan, auto pan, auto tour, pattern, auxiliary function supported. And with SAITELL Speed Dome, 3D intelligent positioning function supported
- Alarm triggering screen tips, buzzer, PTZ preset, e-mail, FTP upload
- Powerful network software: built-in web server, multi-DVR client & CMS. Networking access for remote live viewing, recording, playback, setting, system status, event log

SPECIFICATIONS:

System

Main Processor	High performance embedded microprocessor
Operating System	Embedded LINUX
System Resources	Pentaplex function: live, recording, playback, backup & remote access
User Interface	GUI, on-screen menu tips
Control Device	Front panel, USB mouse, SAITELL keyboard, IR remote control, network keyboard
Input Method	Numeral/Character/Denotation
System Status	HDD status, data stream statistics, log record, bios version, on-line user etc.

Video

Video Input	4/8/16 channel, BNC, 1.0Vp-p, 75Ω		
Video Output	1 channel TV output, BNC, 1.0Vp-p, 75Ω, 1 VGA output, 1 HDMI output		
Video Standards	PAL(625Line, 50f/s), NTSC(525Line, 60f/s)		
Video Compression	H.264		
	Format	NTSC	PAL
Video Resolution	D1(4CIF)	704 X 480	704 X 576
	CIF	352 X 240	352 X 288
	QCIF	176 X 120	176 X 144
Video Recording	CIF/QCIF: PAL 1f/s~25f/s, NTSC 1f/s~30f/s; 4CIF: PAL 1f/s-25f/s NTSC 1f/s-30f/s□		
	(1 st channel of RE0404, 1 st channel of RE0804, 1 st and 9 th channel of RE1604 can support D1 realtime recording) Dual encoding streams supported;		
Video Display Split	Full and multiple screen display, 1 / 4 / 9 / 16		
Tour Display	Support		
Image Quality	1~6 level(level 6 is the best)		
Privacy Masking	4 self-defined four-sided zones for privacy masking for each camera		
Camera Lock	Camera locked for users		
Camera Adjustment	Adjust color according to different time period		
Video Information	Camera title, time, video loss, camera lock, motion detection, recording		
TV Output Adjustment	Adjust TV output color & display zone		

Audio

Audio Input	4/8/4 channel, BNC, 200-2800mV, 30KΩ
Bidirectional Talk Input	1 channel, BNC, 200-2800mV, 30KΩ, same with the 1 st channel
Audio Output	1 channel, BNC, 200-3000mv, 5KΩ
Audio Compression	G.711

Video Detection & Alarm

Motion Detection	Zones: 396 (22*18) detection zones
	Sensitivity: 1~6 (level 6 is highest) Trigger recording, PTZ movement, tour, alarm
Video Loss	Trigger recording, PTZ movement, tour, alarm
Camera Blank	Trigger recording, PTZ movement, tour, alarm
Alarm Input	4/8/16 channel, programmable, ground, manual open/closed
	Trigger recording, PTZ movement, tour, alarm
Relay output	3/3/3 channel, 30VDC, 1A, NO/NC, form-C

Hard Disk

Hard Disk	1 SATA port, 1 HDD supported
Space Occupation	Audio: 14.4MB/H Video: 56□500MB/H

HDD Management	Hard disk hibernation technology, HDD faulty alarm
Record, Playback & Backup	
Recording Mode	Manual, continuous, video detection (including motion detection, camera blank, video loss), Alarm
Recording Priority	Manual >Alarm >Video Detection >Continuous
Recording Interval	1 to 120 minutes (default: 60 minutes), Pre-record up to 30 seconds, Post-record up to 5 minutes
Overwrite Mode	Support
Search Mode	Time/Date, Alarm, Motion Detection & exact search (accurate to second)
Playback	4 channel playback simultaneously, pause, stop, rewind, fast play, slow play, next file, previous file, next camera, previous camera, full screen, repeat, shuffle, backup selection
Digital Zoom	Selected zone can zoom into full screen during playback
Backup Mode	Flash disk/ USB HDD/ USB CD/DVD-RW/ Network download
Network	
Interface	RJ-45 Port (10/100M)
Network Functions	TCP/IP, PPPOE, DDNS, FTP, IP Filter,
Remote operation	Monitor, PTZ control, playback, system setting, file download, log information
Auxiliary Interface	
USB Interface	2 ports, 1 for mouse control, 1 for backup
RS232	SAITELL keyboard, PC communication
RS485	PTZ control
Environmental	
Power Supply	220V 50Hz / 110V 60Hz
Power consumption	25W
Working Temperature	-10℃~+55℃
Working Humidity	10%~90%
Atmosphere Pressure	86kpa~106kpa
Dimension	1U, 375mmx285mmx45mm (W*D*H)
Weight	2.35KG(without HDD)
Mounting	Desktop or rack