

HED ST-RG SATA Series DVR



Rear Panel

RG1604H-S



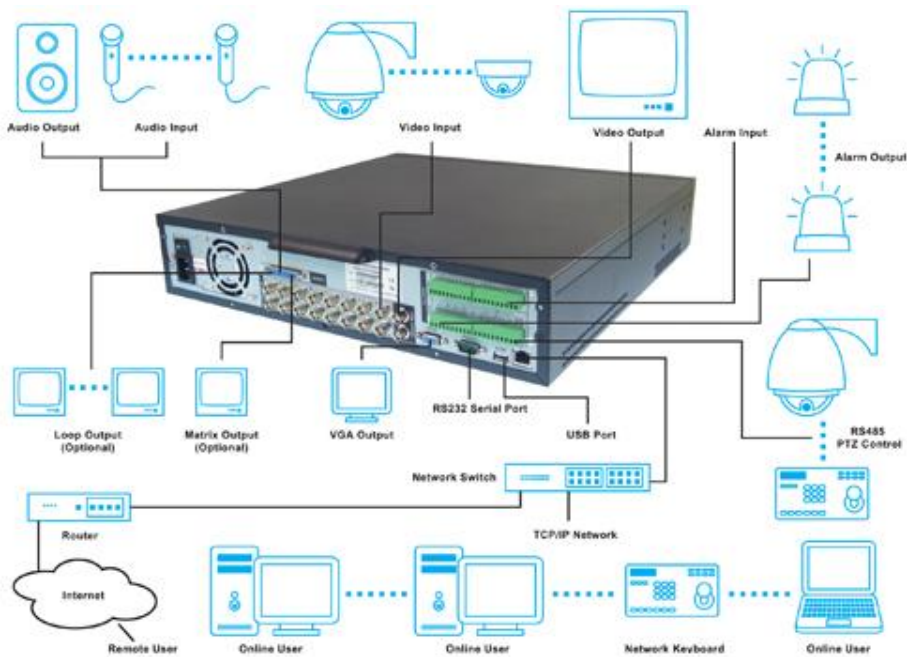
RG1604-S



RG1604L-S



Connection Sample



Audio/video Realtime Standalone DVR

DESCRIPTION:

Real-time 25 frames or 30 frames per second HalfD1/CIF recording on all channels, or non-realtime D1 recording on all channels 16-ch loop output and matrix output function (optional)

Recommended installation areas are Securities Companies, Change Booths, Ecasinos, Pawnshops, Jewelers, Galleries, Exhibition Halls, Department Stores, Convenience Stores, Discount Offices, Hospitals, Police Stations, Subway Stations, Airports, Banks etc.

MODELS:

HED ST-RG0404/0804/1604-S	4/8/16 channel audio/video basic model
HED ST-RG1604L-S	16 channel loop and matrix combination model
HED ST-RG0404/0804/1604H-S	4/8/16 channel loop matrix and audio/video model

FEATURES:

H.264 compression algorithm ideal for standalone DVR
Realtime live display up to 16 cameras, 400/480 fps recording for 2CIF&CIF □ 200/240 fps recording for 4CIF
Pentaplex function: live, recording, playback, backup & remote access
Dual encoding streams support, flexible for network transmission
8 HDDs supported & CD-RW/DVD-RW supported
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
Easy backup methods: USB devices, CD-RW/DVD-RW & network download
Alarm triggering screen tips, buzzer, PTZ preset, e-mail, FTP upload
Smart HDDs Management: non-working HDD hibernation, HDD faulty alarm, Raid function
Powerful network software: built-in web server, multi-DVR client & CMS. Networking access for remote live viewing, recording, playback, setting, system status, event log, e-mail & ftp function

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	Numerical/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, looping(optional)		
Video Output	2 channel TV output, BNC, 1.0Vp-p, 75Ω, 1 VGA output, matrix output(optional)		
Video Standards	PAL(625Line, 50f/s), NTSC(525Line, 60f/s)		
Video Compression	H.264		
Video Resolution	Format	NTSC	PAL
	D1(4CIF)	704 X 480	704 X 576

	2CIF	704 X 240	704 X 288
	CIF	352 X 240	352 X 288
	QCIF	176 X 120	176 X 144
Video Recording	D1/2CIF/CIF/QCIF: PAL 1f/s-25f/s NTSC 1f/s-30f/s□		
Video Display Split	Full and multiple screen display, 1 / 4 / 8 / 9 / 16		
Tour Display	Support		
Image Quality	1~6 level(level 6 is the best)		
Privacy Masking	8 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	4/8/16 channel, RCA, 200-2800mV, 30KΩ		
Bidirectional Talk Input	1 channel, RCA, 200-2800mV, 30KΩ		
Audio Output	1 channel, RCA, 200-3000mv, 5KΩ		
Audio Compression	G.711		

Video Detection & Alarm

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

Hard Disk

Hard Disk	8 SATA ports, 8 HDDs supported		
Space Occupation	Audio: 14.4MB/H Video: 56□500MB/H		
HDD Management	Hard disk hibernation technology, HDD faulty alarm & Raid(Redundancy)		

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		
Raid Function	Support		
Search Mode	Time/Date, Alarm, Motion Detection & exact search (accurate to second)		
Playback	2 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/ built-in SATA Burner/ Network download		

Network

Interface	RJ-45 Port (10/100M)		
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Network Functions TCP/IP, DHCP, PPPOE, DDNS, E-mail, 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/30W/40W
Working Temperature -10℃~+55℃
Working Humidity 10%~90%
Atmosphere Pressure 86kpa~106kpa
Dimension 2U, 440mmx460mmx89mm (W*D*H)
Weight 7KG(without HDD)
Mounting
Desktop or rack