

Standalone GBE - SATA Series



Model

DH-DVR0404/0804/1604GBEH-S	4/8/16 channel loop matrix and audio/video model
DH-DVR0404/0804/1604GBE-S	4/8/16 channel audio/video basic model
DH-DVR0804/1604GBEL-S	8/16 channel loop and matrix combination 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, NVdigital 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.
- 16 channel audio inputs and bidirectional talk supported
- Easy backup methods: USB devices, CD-RW/DVD-RW & network download
- Alarm triggering screen tips, buzzer, PTZ preset, matrix output, 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

Specification

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, NVdigital 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, looping (optional)										
Video Output	2 channel TV output BNC, 1.0Vp- p, 75Ω 1 VGA output, matrix output (optional)										
Video Standards	625 Line 50f/s										
Video Compression	H.264										
Video Resolution	<table><thead><tr><th><u>Format</u></th><th><u>PAL</u></th></tr></thead><tbody><tr><td>D1(4CIF)</td><td>704 X 576</td></tr><tr><td>2CIF</td><td>704 X 288</td></tr><tr><td>CIF</td><td>352 X 288</td></tr><tr><td>QCIF</td><td>176 X144</td></tr></tbody></table>	<u>Format</u>	<u>PAL</u>	D1(4CIF)	704 X 576	2CIF	704 X 288	CIF	352 X 288	QCIF	176 X144
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D1(4CIF)	704 X 576										
2CIF	704 X 288										
CIF	352 X 288										
QCIF	176 X144										
Video Recording	D1 / 2CIF / CIF / QCIF: 1 f/s - 25f/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	Self-defined four-sided zone 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	ADPCM

Video Detection & Alarm

Motion Detection	Zones: 192 (16*12) 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	16 channel, programmable, ground, manual open/closed Trigger recording, PTZ movement, tour, alarm
Relay output	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 □ 700MB/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)
Overwrite Mode	Supported
Raid Function	Supported
Search Mode	Time/Date, Alarm, Motion Detection & exact search (accurate to second)
Playback	2 channel playback, PIP Play, 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-RW/DVD-RW/ built-in SATA Burner/ network download

Network

Interface	RJ-45 Port (10/100M)
Network Functions	TCP/IP, DHCP, DDNS, PPPOE, E-mail, FTP
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	NVdigital 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	7.0KG
Mounting	Desktop or rack

Connection Sample

