

# GBE SERIES

## STANDALONE DVR



### ■ Model

<b>DH-DVR0404/0804/1604GBE</b>	<b>4/8/16 channel audio/video basic model</b>
<b>DH-DVR0404/0804/1604GBEL</b>	<b>4/8/16 channel loop and matrix combination model</b>
<b>DH-DVR0404/0804/1604GBEH</b>	<b>4/8/16 channel loop matrix and audio/video model</b>

### ■ Features

- H.264 compression algorithm ideal for standalone DVR
- Realtime live display up to 16 cameras, 400/480 fps recording for CIF & 100/120 fps recording for 4CIF
- Pentaplex function: live, recording, playback, backup & remote access
- Dual encoding streams support, flexible for network transmission
- Intelligent search and playback support, you can play back the video only motion detection occurs in the area you selected.
- 8 HDDs supported & CD-RW/DVD-RW supported
- Multiple control methods: front panel, IR remote controller, DAHUA 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 Dahua Speed Dome, 3D intelligent positioning function supported.
- 16 channel audio inputs and cross talk 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.

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, DAHUA 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.

Camera blank	Trigger recording, PTZ movement, Tour, alarm, e-mail & FTP
Alarm Input	4/8/16 channel, programmable, ground, manual open/closed Trigger recording, PTZ movement, tour, Alarm, e-mail & FTP
Relay output	6 channel, 30VDC, 1A, NO/NC, form-C,

Hard Disk	
Hard Disk	4 IDE ports, 8 HDDs supported
Space Occupation	Audio, 14.4MB/H Video, 56~400MB/H
HDD Management	Hard disk hibernation technology, HDD faulty alarm & Raid (Redundancy)

Video																
Video Input	4/8/16 channel, BNC, 1.0Vp-p, 75 , Looping (optional)															
Video Output	2 channel TV output BNC, 1.0Vp-p, 75 , 1 VGA output, matrix output															
Video Standards	PAL (625Line 50f/s) NTSC (525Line 60f/s)															
Video Compression	H.264															
Video Resolution	<table border="1"> <thead> <tr> <th>FORMAT</th> <th>NTSC</th> <th>PAL</th> </tr> </thead> <tbody> <tr> <td>D1(4CIF)</td> <td>704 X 480</td> <td>704 X 576</td> </tr> <tr> <td>2CIF</td> <td>704 X 240</td> <td>704 X 240</td> </tr> <tr> <td>CIF</td> <td>352 X 240</td> <td>352 X 288</td> </tr> <tr> <td>QCIF</td> <td>176 X 120</td> <td>176 X 144</td> </tr> </tbody> </table>	FORMAT	NTSC	PAL	D1(4CIF)	704 X 480	704 X 576	2CIF	704 X 240	704 X 240	CIF	352 X 240	352 X 288	QCIF	176 X 120	176 X 144
FORMAT	NTSC	PAL														
D1(4CIF)	704 X 480	704 X 576														
2CIF	704 X 240	704 X 240														
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	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															

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	Support
Raid Function	Support
Search Mode	Time/Date, Alarm, Motion Detection & exact search ( accurate to second)
Playback	1 channel playback 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 stick/USBHDD/USB CD-RW/DVD RW/ built-in IDE Burner/ network download

Audio																
Audio Input	16 channel, 1.0Vp-p, 75 , Looping (optional)															
Audio Output	2 channel TV output BNC, 1.0Vp-p, 75 , 1 VGA output, matrix output															
Audio Standards	PAL (625Line 50f/s) NTSC (525Line 60f/s)															
Audio Compression	H.264															
Audio Resolution	<table border="1"> <thead> <tr> <th>FORMAT</th> <th>NTSC</th> <th>PAL</th> </tr> </thead> <tbody> <tr> <td>D1(4CIF)</td> <td>704 X 480</td> <td>704 X 576</td> </tr> <tr> <td>2CIF</td> <td>704 X 240</td> <td>704 X 240</td> </tr> <tr> <td>CIF</td> <td>352 X 240</td> <td>352 X 288</td> </tr> <tr> <td>QCIF</td> <td>176 X 120</td> <td>176 X 144</td> </tr> </tbody> </table>	FORMAT	NTSC	PAL	D1(4CIF)	704 X 480	704 X 576	2CIF	704 X 240	704 X 240	CIF	352 X 240	352 X 288	QCIF	176 X 120	176 X 144
FORMAT	NTSC	PAL														
D1(4CIF)	704 X 480	704 X 576														
2CIF	704 X 240	704 X 240														
CIF	352 X 240	352 X 288														
QCIF	176 X 120	176 X 144														
Audio Recording	D1/2CIF/CIF/QCIF: PAL 1f/s-25f/s NTSC 1f/s-30f/s															
Audio 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															
Audio Information	Camera title, time, audio loss, Camera lock, motion detection, recording															
TV Output Adjustment	Adjust TV output color & display zone															

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	DAHUA keyboard, PC communication
Rs485	PTZ control

Environmental	
Power Supply	220V 50Hz / 110V 60Hz
Power consumption	25W/30W/40W
Working Temperature	-10C° ~+55C°
Working Humidity	10%~90%
Atmosphere Pressure	86kpa~106kpa
Dimension	2U, 440mmx460mmx89mm (W*D*H)
Weight	7.0KG
Mounting	Desktop or rack

Video Detection & Alarm	
Motion Detection	Zones: 192 (16*12) detection zones Sensitivity: 1~6 (level 6 is highest) Trigger recording, PTZ movement, tour, alarm, e-mail & FTP
Video Loss	Trigger recording, PTZ movement, tour, Alarm, e-mail & FTP

## Note: Comparisons

Model	Audio Input	Loop Output	Matrix Output	Cross Talk Audio Input
DH-DVR1604GBE	16 channel	No	No	1 channel
DH-DVR1604GBEL	NO	16 channel	4 channel	1 channel
DH-DVR1604GBEH	4 channel	16 channel	1 channel	1 channel

## Application

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.