

# DG1648



## MPEG-4 DVR (16CH)

### ● Features

#### ◎ MPEG-4 Technology

- MPEG-4 Compression format providing crystal clear images with real time performance
- MPEG-4 web transmitting for faster transmission and clearer images via network

#### ◎ Graphical and Multilingual OSD Interface

#### ◎ Remote Independent Operation

- Remote independent operation allows you to individually see the live view of a single channel without changing the display setting from AP site.
- Intelligent Motion Trigger Recording
- R.E.T.R. (Remote Event Trigger Recording)

With the advanced functions of motion detection (4 different adjustable factors for motion detection sensitivity) and scheduled motion detection recording (4 different adjustable factors for motion detection sensitivity) and quick search, customized security environments are achieved.

- Support pre-alarm recording (8MB)

#### ◎ Huge Storage Capacity (Up to 1.5TB storage capacity)

- Up to 3 HDD accommodation, or 2 HDD accommodation + independent disk array.

#### ◎ Excellent CIF Image Quality and Performance

- The CIF image quality is highly improved for more clear and detailed image

#### ◎ Multiplex operation

- Allow live display, record, playback, backup, and network operations at the same time

#### ◎ Backup function

- Support DVD writer, USB 2.0 flash drive and network backup

#### ◎ Remote surveillance

- Support remote surveillance up to 5 users simultaneously via the licensed software AP & IE web browser

#### ◎ Free upgrade to advanced functions

- Allow you to upgrade DVR functions without any charges

#### ◎ Covert recording

- A mask replaces the live image with a blank screen and the monitor shows nothing, but the recording is still on

#### ◎ A/V support

- Support 4 audio-in, 1 audio-out to record sounds
- Support VGA output to monitor (optional)

#### ◎ General

- Support IR remote control, PTZ camera operations through RS-485, and PTZ Hot Point function
- Support system auto recovery after power reconnected and auto video system detection (NTSC / PAL)
- Ensure the authentication of recorded images with watermark function
- Support TCP/IP, PPPOE, DHCP and DDNS network connection

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## MPEG-4 DVR (16CH)



### ● Specification

Specification	DG1648
Video System	NTSC / PAL (auto switchable)
Video Compression Format	MPEG4
Video Input (Composite video signal 1 Vp-p 75Ω BNC)	16 Channels
Video Loop Output (Composite video signal 1 Vp-p 75Ω BNC)	16 Channels
Video Output	Main Monitor Output: Composite video signal 1 Vp-p 75Ω BNC ; Call Monitor Output: Composite video signal 1 Vp-p 75Ω BNC
Maximum Recording Rate (Frame)	720×480 pixels with 120 IPS <NTSC> / 720×576 pixels with 100 IPS <PAL>
Maximum Recording Rate (Field)	720×240 pixels with 240 IPS <NTSC> / 720×288 pixels with 200 IPS <PAL>
Maximum Recording Rate (CIF)	352×240 pixels with 480 IPS <NTSC> / 352×288 pixels with 400 IPS <PAL>
Adjustable Recording Speed (Frame)	120, 60, 30, 15 IPS <NTSC> / 100, 50, 25, 12 IPS <PAL>
Adjustable Recording Speed (Field)	240, 120, 60, 30 IPS <NTSC> / 200, 100, 50, 25 IPS <PAL>
Adjustable Recording Speed (CIF)	480, 240, 120, 60 IPS <NTSC> / 400, 200, 100, 50 IPS <PAL>
<b>Multilingual OSD</b>	<b>YES</b>
Image Quality Setting	Best, High, Normal, and Basic
<b>Hard Disk Storage (IDE type, ATA66) (Over 500GB)</b>	<b>Accommodate 3 HDDs*, or 2 HDDs plus independent disk array*</b> <b>* HDDs and disk arrays are optional.</b>
HDD Quick Cleaning	Quick clean up the "index system" of the recorded files (750GB under 2 seconds)
Recording Mode	Manual / Timer / Motion / Alarm / Remote
Watermark	YES
Refresh Rate	480 IPS for NTSC / 400 IPS for PAL
<b>Multiplex Operation</b>	<b>Live display, record, playback, backup, and network operations</b>
<b>Remote Independent Operation</b>	<b>YES</b>
Audio I/O	4 audio inputs, 2 audio outputs (Mono)
<b>R.E.T.R. (Remote Event Trigger Recording)</b>	<b>YES</b>

Specification	DG1648
Motion Detection Area	16 × 12 grids per camera for all channels
Motion Detection Sensitivity	4 adjustable variables with precise calculation for motion detection
Pre-alarm Recording	Yes (8 MB)
<b>Backup Device</b>	<b>1. USB 2.0 flash drive backup; 2. Network remote backup; 3. DVD-RW drive backup</b>
USB Interface	Front panel * 1
<b>Web Transmitting Compression Format</b>	<b>MPEG-4</b>
Ethernet	10/100 Base-T. Support remote control and live view via Ethernet
Web Interface	Support licensed software AP and IE browser (5 users simultaneously) *Operating System: Windows 2000 and Windows XP
Remote Alarm Notification	Email images, and upload images to FTP site's specific account
Network Protocol	TCP/IP, PPPOE, DHCP and DDNS
IR Transmitter	YES
PTZ Control	YES
Dwell Time (Sequential Channel Switch)	Programmable with adjustable dwell time (3, 5, 10, 15 sec.)
Alarm I/O	16 inputs, 1 output
Picture Zoom	2X digital zoom
Key Lock (Password Protection)	YES
Video Loss Detection	YES
Camera Title	Support up to 6 letters
Video Adjustable	Hue / Color / Contrast / Brightness
Date Display Format	YY/MM/DD, DD/MM/YY, MM/DD/YY, and Off
Daylight Saving	YES
Power Source	DC 19V
Power Consumption	< 64 W
Operating Temperature	10°C ~ 40°C (50°F~104°F)
Dimensions (mm)	432mm (W) × 90mm (H) × 326mm (D)
System Recovery	System auto recovery after power reconnected
Optional Peripherals	Independent disk array, VGA converter, SATA converter, Keyboard Controller

\* The specification is subject to change without notice.

## ● Rear Panel

