

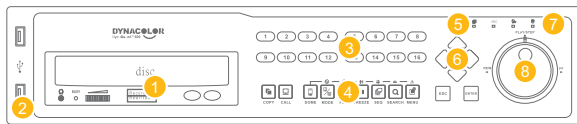
H.264 Hybrid DVR

network DynaGuard™ 600 Series



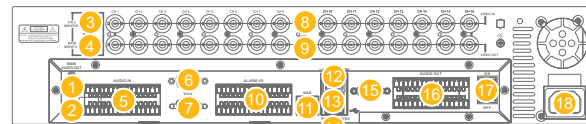
Premium H.264 Hybrid DVR

Front Panel



- 1 DVD/RW or Cartridge; *optional*
- 2 USB 2.0 Ports
- 3 Channel Keys
- 4 Function Keys
- 5 LEDs
- 6 Direction Keys
- 7 IR
- 8 Jog / Shuttle

Rear Panel



- 1 Main Audio Output
- 2 S-Video Output
- 3 Call Monitor Output (BNC)
- 4 Main Monitor Output (BNC)
- 5 Audio Input
- 6 VGA Output
- 7 Digital Display Output
- 8 Video Input
- 9 Video Looping
- 10 Alarm I/O and RS-485
- 11 NAS Port (RJ45)
- 12 LAN 10/100/1000M (RJ45)
- 13 USB 2.0 Ports
- 14 NTSC / PAL Switch
- 15 RS-232
- 16 Audio Output; *optional*
- 17 Power Switch
- 18 Power Jack

Features

Advanced Functions

- H.264 / MPEG-4 / MJPEG compression
- NEW** • Up to 8CH IP camera recording
- NEW** • Megapixel recording
- NEW** • Real-time recording
- Pentaplex operation
- NEW** • User management
- Per channel configuration
- NTP for time synchronization
- WLAN, SMS
- Built-in Pelco Coaxitron® protocol
- POS function: transaction monitoring
- Up to 4 internal SATA HDDs
- Supports internal DVD+RW
- NEW** • Digital display output
- NEW** • Dual-gigabit LAN ports
- NEW** • 4/8/16CH audio recording
- Mobile View software
- DynaRemote™ for remote monitoring
- DynaGuard™ CMS for video management

Humane Technology

- GUI
- NEW** • USB mouse / USB keyboard; *optional*
- Control keyboard; *optional*
- IR remote control
- Jog / Shuttle
- NEW** • UPnP™
- Exports AVI file for Microsoft® Media Player

Modular Upgrade Kits

- NEW** • T / V / U Module (DG600S only) for real-time recording
- DynaStorage™ 200 for extended recording storage
- Alarm Hub for 16CH alarm relay output
- NEW** • Audio Module for 4/8/16CH audio output

Specification

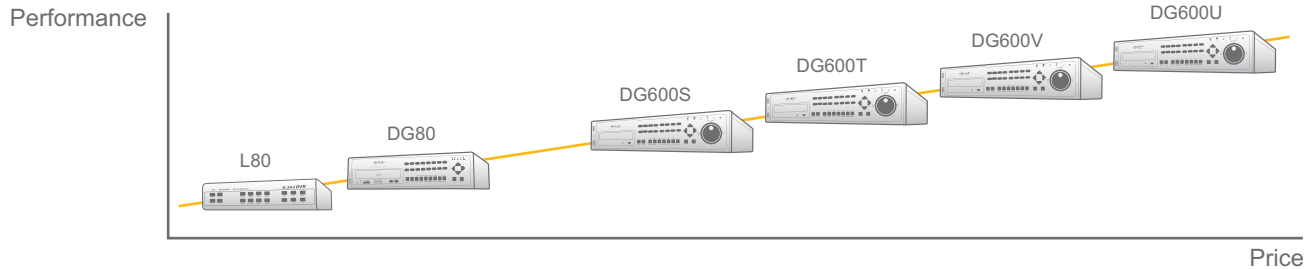
Item	DG604S / T	DG608S / V	DG616S / T / U
Video			
Operation System	Embedded (Linux)		
Video Standard	NTSC / PAL Switch Selectable		
Input	BNC × 4, 1.0 Vp-p, 75 ohm	BNC × 8, 1.0 Vp-p, 75 ohm	BNC × 16, 1.0 Vp-p, 75 ohm
Input IP devices	Up to 4CH	Up to 8CH	Up to 8CH
Outputs	BNC × 1, S-Video × 1, 1.0 Vp-p, 75 ohm		
Main Monitor	BNC × 1, 1.0 Vp-p, 75 ohm		
Call Monitor	BNC × 8, 1.0 Vp-p, 75 ohm		
Loop	BNC × 4, 1.0 Vp-p, 75 ohm	BNC × 8, 1.0 Vp-p, 75 ohm	BNC × 16, 1.0 Vp-p, 75 ohm
Digital Display Output	800 × 600, 1024 × 768, 1280 × 1024 pixels		
VGA Output	800 × 600, 1024 × 768, 1280 × 1024 pixels		
Picture Refresh Rate	NTSC: 30 pps/per CH, PAL: 25 pps/per CH		
Audio			
Input	Terminal Block × 4, Line-In	Terminal Block × 8, Line-In	Terminal Block × 16, Line-In
Output	RCA × 1, Line-Out		
Compression Method	ADPCM, G.726		
Data Rate	8 KB/s, per CH		
Recording			
Compression Method	H.264 (DG600S / T / V / U); MPEG-4 / MJPEG (DG600S / T)		
Recording Mode	Schedule, Alarm, Motion Detection		
Pre-alarm	Yes		
H.264	NTSC 720 × 480 PAL 720 × 576	S / T: Max 60 / 120 pps S / V: Max 50 / 100 pps	S / T / U: Max 60 / 120 / 480 pps S / T / U: Max 50 / 100 / 400 pps
MPEG-4 / MJPEG	NTSC 720 × 480 PAL 720 × 576	S / T: Max 120 / 120 pps S / T: Max 100 / 100 pps	S : Max 120 pps S : Max 100 pps S / T : Max 120 / 240 pps S / T : Max 100 / 200 pps
Recording Quality	8 Levels Presets, Adjustable		
Storage Mode	Linear / Circular		
Data Lifetime	Yes (Programmable)		
Storage			
Built-in Storage Interface	× 4 SATA for HDD and DVD+RW		
Cartridge / DVD+RW	Optional		
External Storage	DynaStorage™ 200 (Gigabit LAN)		
Export	× 4 USB 2.0 Ports, Support ThumbDrive and DVD+RW		
Alarm			
Alarm Input	× 4, Terminal Block (TTL)	× 8, Terminal Block (TTL)	× 16, Terminal Block (TTL)
Alarm Relay Output	× 2, Terminal Block, 3.0A / 30 VDC or 3.0A / 125 VAC	× 2, Terminal Block, 3.0A / 30 VDC or 3.0A / 125 VAC	× 3, Terminal Block, 3.0A / 30 VDC or 3.0A / 125 VAC
Alarm Detection	N.C. / N.O., programmable		
Motion Detection	15 × 11 Grid Array, Sensitivity, Trigger level adjustable		
Video Loss Detection	Programmable		
Communication			
Network Connectivity	Ethernet RJ45 connector, 10/100/1000 Mbps		
Compatible IP Cameras	ACTI, AXIS, DynaColor, HUNT, SANYO, SONY, VIVOTEK		
Remote Control Software	DynaGuard™ CMS, DynaRemote™①		
Remote Operation	Monitoring, Playback, Recording, System setup, Dome camera control, Archiving		
RS-232C	D-SUB 9 pin male		
RS-485	Terminal Block		
Dome Camera Control Protocol	DSCP, Pelco P, Pelco D, AD422, Fastrax 2, Panasonic, JVC		
General			
Unit Dimension (W × H × D)	440 × 90 × 413 mm (17.3 × 3.54 × 16.3 inches)		
Unit Weight	7 Kg (15.42 lbs) with DVD+RW		
Package Dimension (W × H × D)	563 × 197 × 521 mm (22.17 × 7.76 × 20.51 inches)		
Package Weight	10 Kg (22.03 lbs)		
Operation Temperature	0 °C ~ 40 °C (32 °F ~ 104 °F)		
Relative Humidity	10% ~ 90% Non-condensing		
Power Consumption & Input	AC 100 ~ 240V, 50-60 Hz, 200W (Manual select)		

Product specification and availability subject to change without notice. Certain product names mentioned herein may be trade names and / or registered trademarks of their companies.

Remark ①: DynaRemote™ Software Requirements:
Windows 2000, XP or Vista, Intel® Pentium® M 1.40GHZ or faster, 512 MB RAM (1 GB RAM or above is recommended), Microsoft® Internet Explorer 6.0 SP2, LAN or Internet connection.

H.264 Hybrid DVR

Value Chart



Comparison Chart

Feature	Premium H.264 DVR DG600 Series			Versatile H.264 DVR DG80 Series					
	DG616S / T / U	DG608S / V	DG604S / T	DG86	DG88	DG84	L86	L88	L84
Recording									
Recording Rate (H.264 @ D1)	60 / 120 / 480	60 / 240	60 / 120	60	60	30	60	60	30
Recording Rate (M / J @ D1)	120 / 240 / -	120 / -	120 / 120	60 (J)	60 (J)	30 (J)	-	-	-
*Compression Method	H / M / J	H / M / J	H / M / J	H / J	H / J	H / J	H	H	H
IP Camera Compatibility	8	8	4	2	2	2	-	-	-
Per Channel Configuration	●	●	●	●	●	●	●	●	●
Storage									
Max. HDDs	4	4	4	3	3	3	2	2	2
Network Attached Storage	○	○	○	-	-	-	-	-	-
Gigabit LAN Port	●	●	●	-	-	-	-	-	-
USB Ports	4	4	4	3	3	3	2	2	2
DVD Burner	●	●	●	●	●	●	○	○	○
Remote Network									
DynaRemote™ S/W	●	●	●	●	●	●	●	●	●
WLAN / SMS	●	●	●	-	-	-	-	-	-
Upgrade Kits									
Audio Module	○	○	○	-	-	-	-	-	-
T / V / U Module	○ / - / -	○ / -	○ / -	-	-	-	-	-	-
Alarm Hub	○	○	○	○	○	○	○	○	○
UTP Module	-	-	-	○	○	○	-	-	-
VGA Module	●	●	●	○	○	○	○	○	○
Application									
DynaGuard™ CMS	●	●	●	●	●	●	○	○	○
Mobile View S/W	●	●	●	●	●	●	●	●	●
Time Synchronization	●	●	●	●	●	●	●	●	●
UPnP™	●	●	●	-	-	-	-	-	-
Dual-Main Function	●	●	●	-	-	-	-	-	-
Digital Display Output	●	●	●	-	-	-	-	-	-
Operation Interface									
Jog / Shuttle	●	●	●	-	-	-	-	-	-
USB Mouse	○	○	○	○	○	○	○	○	○
USB Keyboard	○	○	○	-	-	-	-	-	-
IR Remote Control	●	●	●	●	●	●	○	○	○
Compact Control Keyboard	○	○	○	○	○	○	○	○	○
GUI	●	●	●	●	●	●	●	●	●
Touch Panel	-	-	-	●	●	●	-	-	-

* : H stands for H.264 compression, M stands for MPEG-4 compression, J stands for MJPEG compression, V and U models don't support MPEG-4 and MJPEG compressions
 ● Supported ○ Optional - Not supported

The network DynaGuard™ series supports H.264 compression and Megapixel IP camera recording. It keeps all intelligent functions for managing and provides an integrated solution of recording videos from both existing analog cameras and oncoming IP cameras. With the hybrid video-in configurations, it saves the cost of replacement of camera devices in the period of IP transition.

The Central Management System, DynaGuard™ CMS, is a free bundled video management software that allows the administrator to monitor up to 64 live video channels from cameras or DVRs, to record and playback on the PC using instant or schedule recording modes, and to archive the DVR recorded video remotely.