

MPEG-4



DynaGuard™ 100 Genie

MPEG-4 DVR

- MPEG-4 high quality compression, 5~10 times smaller than MJPEG
- Triplex operation (recording, playback and network access)
- Remote monitoring, playback, instant recording and dome camera control via Ethernet and/or Internet
- Built with ezBurn™ technology, two keys(Search/Call) are all you need for completing the video export
- By selecting ezRecord™ function, user can select the period of days to record instead of complicated record settings
- Support VGA main output (Optional)
- Live display: 480pps (NTSC)/400pps (PAL)
- Recording Rate: Up to 120pps (NTSC)/100pps (PAL)
- 1 Channels, in & out, for audio recording

- Support up to internal 1 Optical drive + 2 HDDs
- USB2.0 ports for video clip exporting, support USB ThumbDrive®
- Export DVR file which can be played via DynaPlayer™
- DynaPlayer™ application software will be attached with exported disks
- Multiple built-in dome camera protocol (through RS485): DynaColor, Pelco D, Pelco P, AD422
- Digital Zoom 2 x 2, available in live mode and exported video
- Pre-Alarm recording
- IR Remote controller(Optional)
- Multiple language on-screen menus
- Network software supports static IP and DHCP
- Support RS485 remote control keyboard(optional)



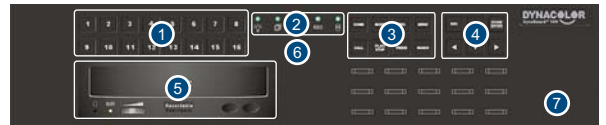
Technical Specifications

Item	DG108	DG116
Video		
Operation System	Embedded (Linux)	
Video Standard	NTSC/PAL switch selectable	
Video Operation	Triplex+ (Record, Playback and Network access)	
Resolution – Live Video	NTSC: 720 x 480 pixels PAL: 720 x 576 pixels	
Input	BNC x 16, 1.0Vp-p/75 ohm	
Outputs	BNC x 1, S-Video x 1, 1.0Vp-p/75 ohm	
Call monitor	BNC x 1, 1.0Vp-p/75 ohm	
Loop	BNCx8, 1.0Vp-p/75 ohm	BNCx16, 1.0Vp-p/75 ohm
VGA Output	800 x 600, 1024 x 768, 1280 x 1024 pixels @ 60 Hz(Optional)	
Picture Refresh Rate	NTSC: 480 PPS(16CH) / PAL: 400 PPS(16CH)	
Digital Zoom	2 x 2	
Camera Installation	Plug & Play	
Audio		
Input	RCA x 1, Line-In	
Output	RCA x 1, Line-Out	
Recording Mode	Always Real Time Record, Synchronized w/ Video	
Compression Method	ADPCM, G.726	
File Size	8KB/Sec	
Operation	VCR mode	
Playback	Only for Video Original Speed	
Recording		
Compression Method	MPEG-4 Advanced Simple Profile	
Recording Mode	Schedule, Alarm, Motion Detection	
Resolution & Rate	NTSC: 30 PPS@720 x 480 pixels / PAL: 25 PPS@720 x 576 pixels NTSC: 60 PPS@720 x 240 pixels / PAL: 50 PPS@720 x 288 pixels NTSC: 120 PPS@360 x 240 pixels / PAL: 100 PPS@360 x 288 pixels	
Recording Quality	5 levels presets, adjustable	
Image Size	2K to 20K Byte/picture	
Storage Mode	Linear/Circular	
Playback		
Playback	Play, Stop, Pause, Rewind, Forward, Search	
Playback Speed Adjustment	Yes 1X, 2X...32X	
Retrieve	Date/Time, Event	
Storage		
Build-in Storage	X2 ATA 133 / UDMA 133 IDE, HDD/CD-RW	
Build-in HDD	Up to 2 built-in HDDs	
Export	X3 USB2.0 ports, support ThumbDrive®	
Alarm		
Alarm Input	X16, Terminal Block	
Alarm Detection	N.C./N.O., Programmable	
Auditory Alert	Built-in Buzzer	
Motion Detection	21 X 13(NTSC), 21 X 16(PAL) Grid Array, Sensitivity, Trig Level Adjustable	
Video Loss Detection	Programmable	
Alarm Relay Output	X2, Terminal Block, 1.0A/24V (Programmable)	
Communication		
Network Connectivity	Ethernet RJ-45 connector, 10/100Mbps, supports DHCP	
Remote Control Software	DynaRemote™ Lite	
Access Control	2 Level Password	
Remote Operation	Monitoring, Playback, Instant Recording, Dome Camera Control	
RS-485	Terminal Block	
Dome Control Protocol	DynaColor, Pelco P, Pelco D, AD422 (through RS-485)	
General		
Unit Dimension(WxHxD)	440 x 90 x 345 mm (17.3 x 3.54 x 13.58 inches)	
Unit Weight	5.7 Kg (12.56 lbs) w/ CD-RW	
Package Dimension(WxHxD)	590 x 210 x 460 mm (23.2 x 8.27 x 18.1 inches)	
Package Weight	8.2 Kg (18.06 lbs)	
Operation Temperature	0°C - 40°C (32°F - 104°F)	
Relative Humidity	5% - 85% Non-condensing	
Power Consumption & Input	AC 100~240V, 50-60 Hz, 80 W	

Remark ①: DynaRemote™ Lite Software Requirements:
Windows 2000 or XP, Intel® PIII or faster, 256MB RAM (512 MB RAM recommended), Microsoft® Internet Explorer 6.0 SP2, LAN or Internet connection.

Major Operating Controls

Front Panel



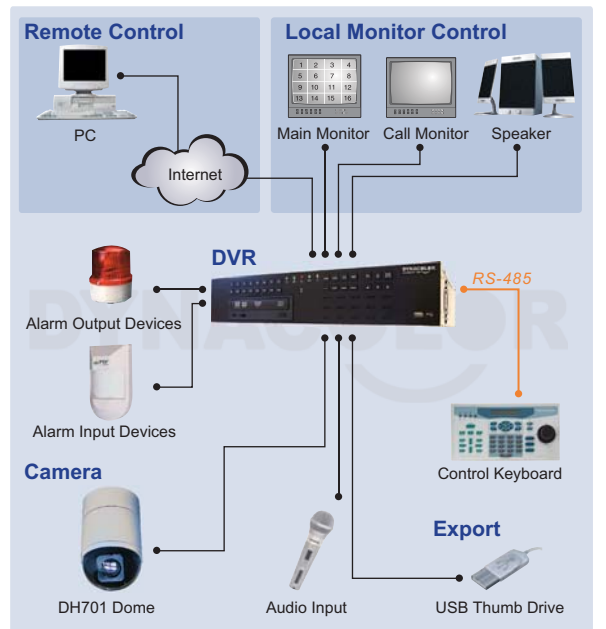
- 1 Channel Keys
- 2 LEDs
- 3 Function Keys
- 4 Direction Keys
- 5 CD-RW (Optional)
- 6 IR
- 7 USB2.0 Port

Rear Panel



- 1 Call Monitor Output
- 2 Video Input
- 3 Main Monitor Output
- 4 Video Output
- 5 Main Monitor Output (BNC & S-Video)
- 6 VGA Port (Optional)
- 7 Alarm I/O & RS485
- 8 Audio Input
- 9 Audio Output
- 10 LAN Port (RJ45)
- 11 USB2.0 Port
- 12 Power Switch
- 13 Power Jack

System Configuration



Product Selection

Channels	HDD	Drive Option	Video System
08: 8 Channels	000: None	0: None	P: PAL
16: 16 Channels	016: 160GB	C: CD-RW	N: NTSC
	020: 200GB		
	050: 500GB		

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

Developed and Manufactured by:



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MKPB-DG100-0601-EN01-A4