

Intelligent MPEG-4 DVR



DynaGuard™ 100 Series

The DynaGuard™ 100 series is a value-added MPEG-4 DVR designed to meet the budget-concerned requirements of the medium-sized surveillance system. Inherit the versatile features from the DG200 series, DG100 aligns both of the hardware and software into an intelligent, decent-feature, and users-friendly machine for the limit-budget users. The Triplex+ function allows DG100 to view live, record, playback, and network-browse video images simultaneously. The ezBurn™ function eases the settings for video clip exporting to the USB thumb drive, CD-RW, or DVD+RW. The ezRecord™ function simplifies the video image recording process. The ezDDNS™ function would automatically configure the DDNS while plugging to the internet. The Event Recording function records the video images before and after the event occurs. DG100 benefits the users cost savings but powerful features.

Features

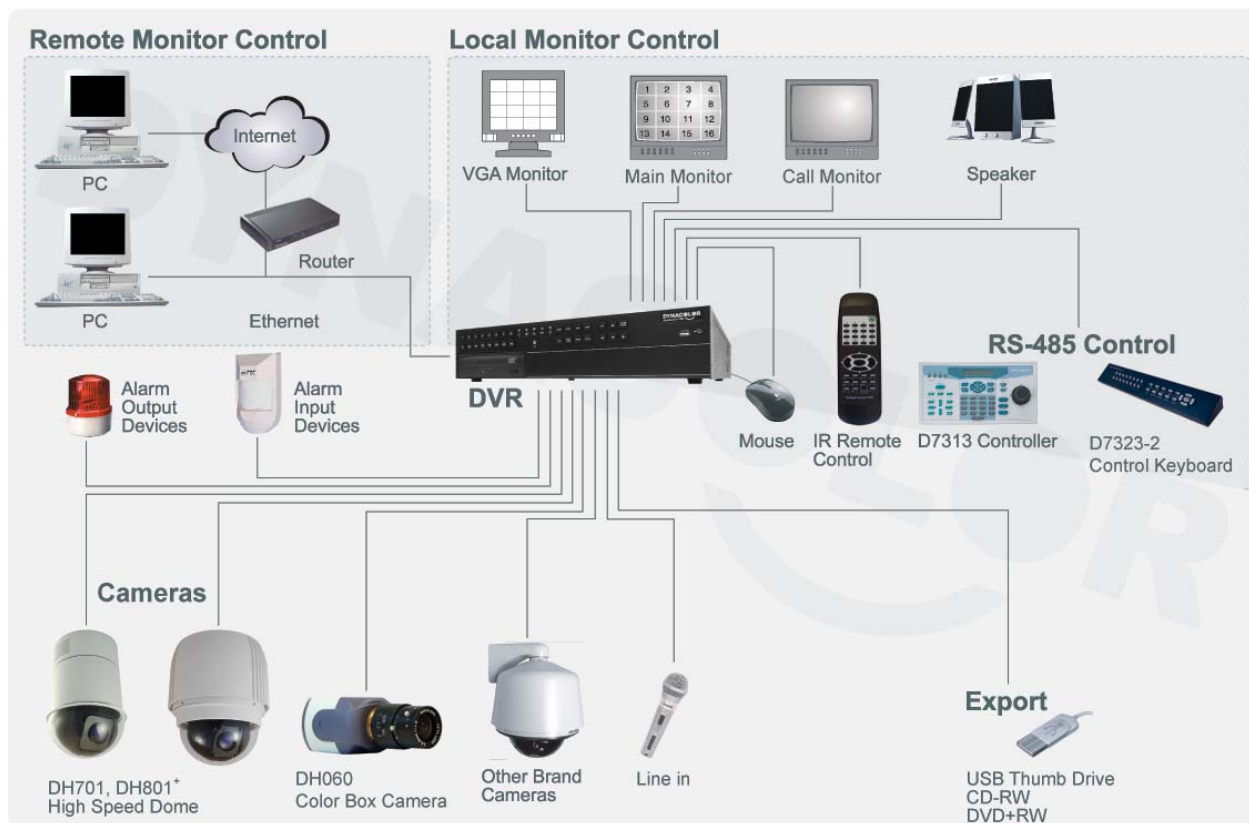
Advanced Functions

- Triplex+ Operation: Live, Record, Playback, Network
- Supports up to 3 internal HDDs
- Supports internal CD-RW/DVD+RW **NEW**
- Multi-Language support
- Digital Zoom 2x2
- Multiple built-in dome camera control protocols
- Supports Pre-Alarm Recording
- DynaRemote™ Lite for remote monitoring

Humane Technology

- ezBurn™ for quick video export
- ezRecord™ for quick recording setting
- ezDDNS™ for automatic DDNS configuration **NEW**
- IR Remote Control (Optional)
- USB Mouse (Optional)
- Compact Control Keyboard (Optional)

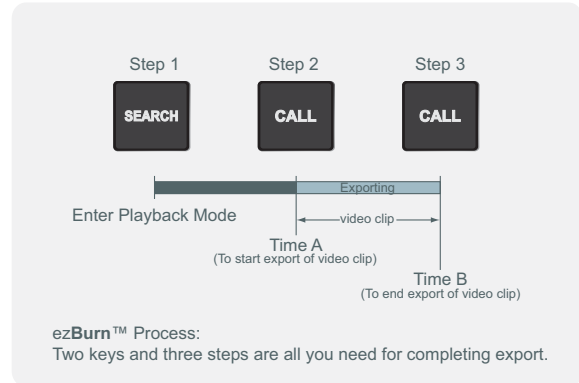
System Configuration



Product Description

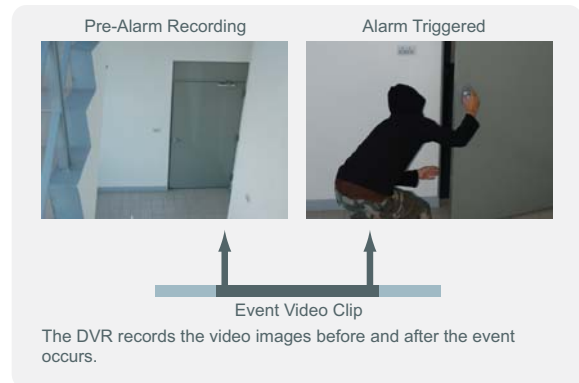
Easy Operation

The ezBurn™ function eases the settings for video clip exporting to the removable media like the USB thumb drive, CD-RW, or DVD+RW. Just use the SEARCH key to trace the recorded video, and then press CALL key the first time to start exporting video image and the second time to end exporting video clip. The ezRecord™ function eases the video image recording process by choosing one of the pre-determined settings for recording. The ezDDNS™ function automatically configures the DDNS setting when connected to the internet.



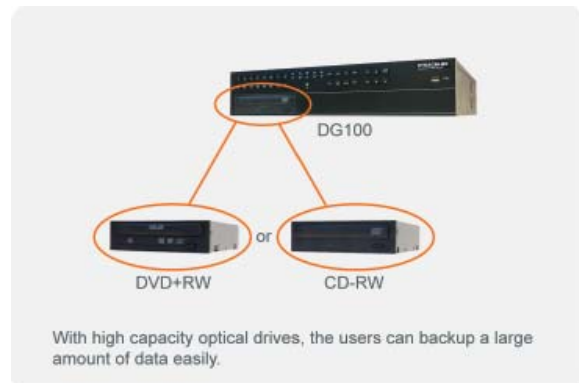
Intelligent Event Recording

The Event Recording function records the video images before and after the event occurs. The picture quality and refresh rate of the recorded video would be enhanced for the detailed checking.



High Capacity Optical Drive Support

In addition to CD-RW, the DynaGuard™ 100 series also supports DVD+RW optical drives. With the high capacity optical drive, users can backup a large amount of video data.

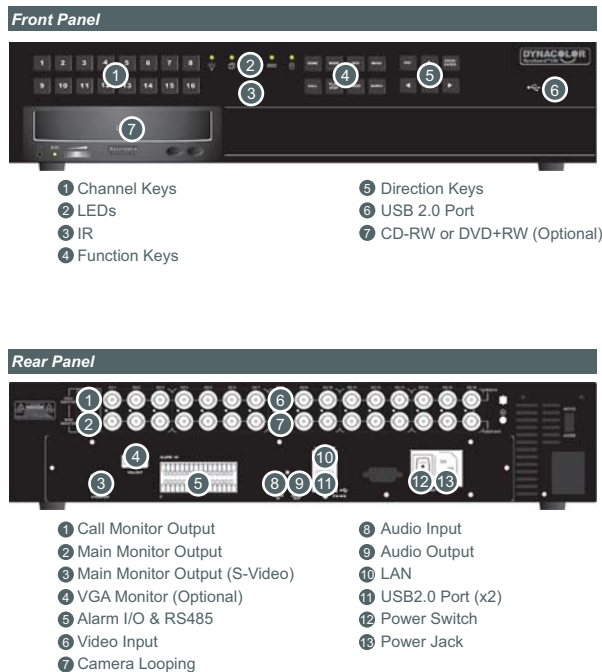


Technical Specifications

Item	DG108	DG116
Video		
Operation System	Embedded (Linux)	
Video Standard	NTSC / PAL Switch Selectable	
Video Operation	Triplex* (Live, Record, Playback, and Network)	
Resolution – Live Video	NTSC: 720 x 480 pixels PAL: 720 x 576 pixels	
Input	BNC x 8, 1.0 Vp-p / 75 ohm	BNC x 16, 1.0 Vp-p / 75 ohm
Outputs	BNC x 1, S-Video x 1, 1.0 Vp-p / 75 ohm	
Main Monitor	BNC x 1, 1.0 Vp-p / 75 ohm	
Call Monitor	BNC x 1, 1.0 Vp-p / 75 ohm	
Loop	BNC x 8, 1.0 Vp-p / 75 ohm	BNC x 16, 1.0 Vp-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 with Video	
Compression Method	ADPCM, G.726	
Data Rate	4KB/s, per CH	
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	2KB to 20KB / 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 or DVD+RW	
Build-in HDD	Up to 3 built-in HDDs	
Export	x3 USB2.0 ports, Supports ThumbDrive®	
Alarm		
Alarm Input	x16, Terminal Block (TTL)	
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, Trigger Level Adjustable	
Video Loss Detection	Programmable	
Alarm Relay Output	x2, Terminal Block, 3.0 A/30 VDC or 3.0 A/125 VAC	
Communication		
Network Connectivity	Ethernet RJ-45 connector, 10/100 Mbps, Supports DHCP	
Remote Control Software	DynaRemote™ Lite	
Access Control	2 Level Password	
Remote Operation	Monitor, Playback, Recording, System Setup, Dome Camera Control	
RS-485	Terminal Block	
Dome Control Protocol	DynaColor, Pelco P, Pelco D, AD422 (through RS-485), Fastrax 2, Panasonic	
General		
Unit Dimension (W x H x D)	440 x 90 x 413 mm (17.3 x 3.5 x 16.3 inches)	
Unit Weight	5.7 Kg (12.6 lbs) with CD-RW	
Package Dimension (W x H x D)	590 x 210 x 460 mm (23.2 x 8.3 x 18.1 inches)	
Package Weight	8.2 Kg (18.1 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



Recommended HDDs

1.Maxtor:	DiamondMax 16	80G/160G/300G
	DiamondMax Plus 9	80G/160G
2.Seagate:	Barracuda 7200.10	320G/750G
	SV35.1	160G/250G/500G
3.Hitachi:	Deskstar 7200rpm	250G/300G/400G

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	D: DVD+RW	
	050: 500GB		

Product specifications and availability subject to change without notice.
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