



8 AND 16 CHANNEL DVRs

The Ganz DigiMaster Series is a powerful line of Digital Video Recorders designed to provide state-of-the-art features, exceptional recorded image quality and ease of operation. With up to 1.5 TB of internal storage capacity, this series provides up to 60 days recording time at 704 x 480 resolution. MPEG-4 compression saves high-quality images with smaller file sizes and allows more efficient transmission over Ethernet. USB-2 ports and optional CD-RW or DVD drive assure quick and easy archiving.

- 8/16 ch video and 4 ch audio recording
- 120 images per second recording speed
- True TRIPLEX Operation
- Up to 704 x 480 (4 CIF/D1) resolution
- Optimized MPEG-4 compression
- 10/100 Base Network Connection allows remote viewing playback and PTZ control
- Mouse control through USB port
- USB-2 Port for quick downloading to a thumb drive
- Internal DVD/CD-RW drive for data backup (optional)
- PTZ control (drivers for most popular models included)
- DDNS support for use with dynamic IP addresses
- Server-grade continuous duty hard disk drives optimize performance and improve reliability

1.5 TB

up to 1.5 TB storage capacity using 3x HDD



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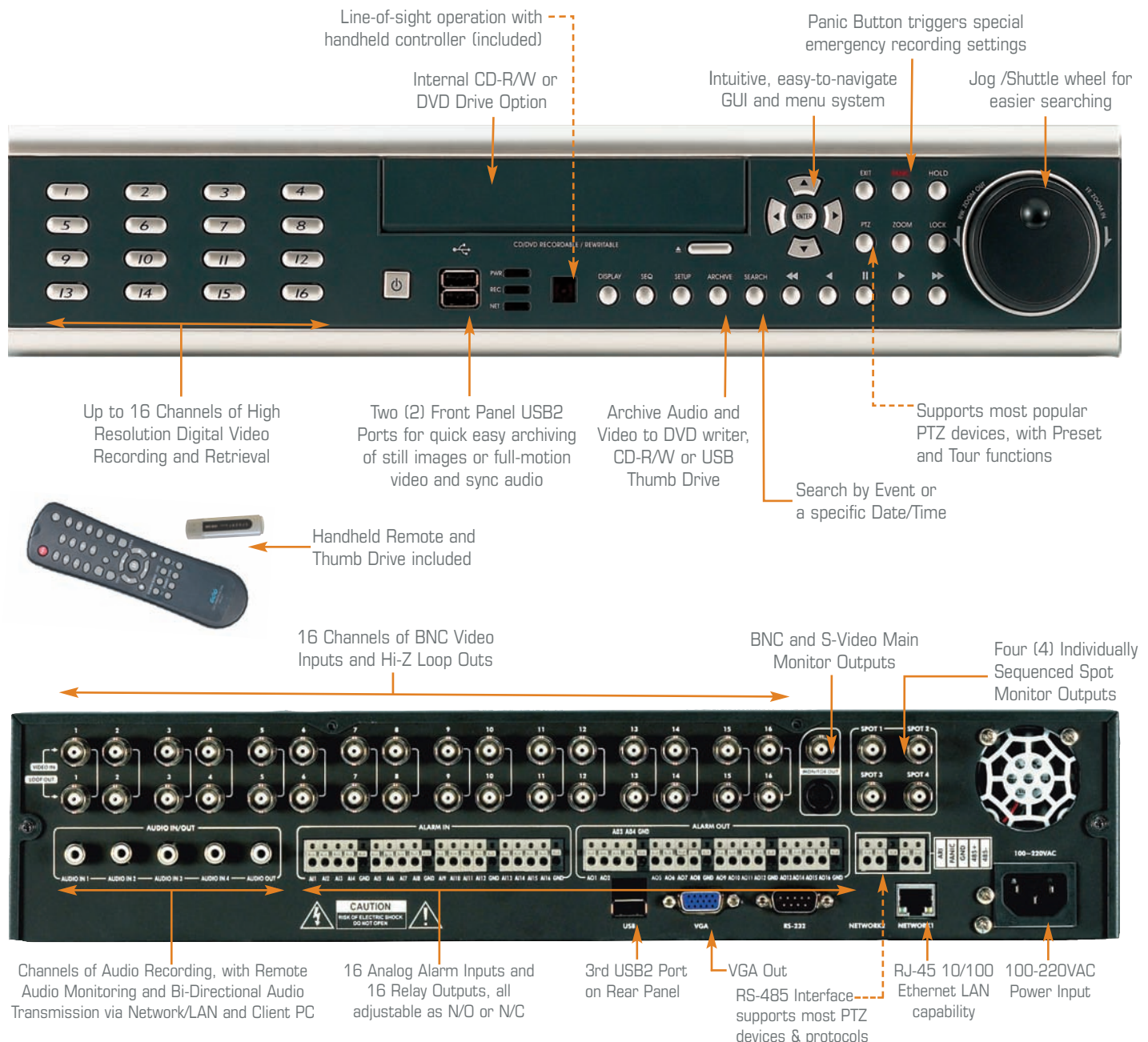
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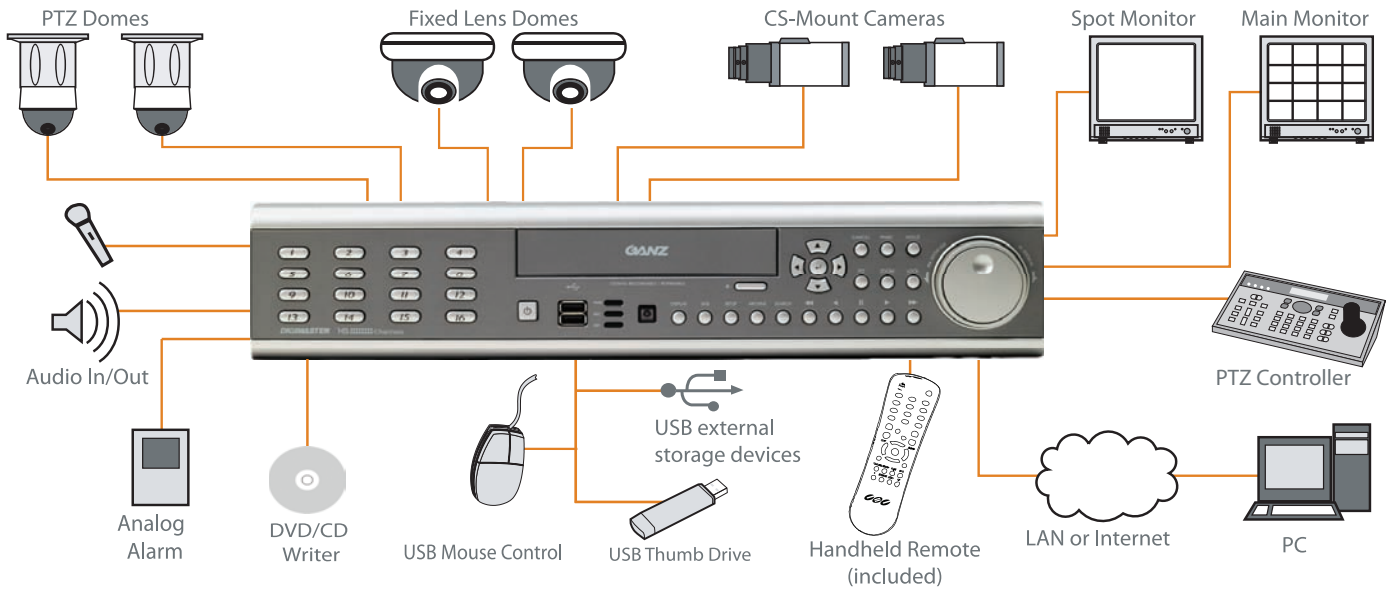
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features+highlights

DigiMaster 8 and 16 channel MPEG-4 DVRs are compact, versatile, and very powerful. The units provide 'always-on' recording capability, with variable resolution, image quality, image rate, and audio recording; all are adjustable per channel. This series has several recording modes, including schedule, motion, alarm and panic button recording, each with individually adjustable settings per channel. The units have strong networking and data archiving features, along with a handheld IR Remote Controller and a USB Thumb Drive, included with each unit. DigiMaster boasts a large storage capacity, supporting up to three (3) internal HDDs (for up to 1.5 TB) and an optional internal CD-RW or DVD burner. MPEG-4 compression reduces HDD consumption, yet allows for excellent image reproduction, at any resolution. The easy-to-use yet powerful GUI ties it all together with organized menu navigation and strong administration features.



system diagram



Designed to work within a variety of system configurations, these units fit easily into your existing CCTV infrastructure. With a built-in RS-485 serial interface, the DigiMaster operates most of the popular PTZ devices on the market. The DigiMaster features integrated motion detection with live view motion area marking, analog alarm inputs and relay outputs, pre- and post-alarm recording buffers, and e-mail notification of alarm and system events. Strong networking features include remote PTZ control, live view, event log search, multi-channel playback, and remote download of archive video and audio data. Each unit has advanced management and scheduling features, automatic Daylight Savings Time adjustment, and support for continuous time correction via Network Time Protocol (NTP). Password protection and selectable covert channel recording effectively restrict access to authorized users only.

Recording Times (shown in days using a 500GB HDD)

Channel	CIF (352x240)				2CIF (704x240)				4CIF (704x480)			
	Highest	High	Standard	Low	Highest	High	Standard	Low	Highest	High	Standar	Low
30 ips	17.7	29	37	46	16.2	29.5	39.7	45.6	18.5	29.5	45.1	53.2
15 ips	11.2	17.5	22.1	26.9	10.8	17.8	23.2	27	11.9	17.8	25	29.8
7 ips	17.6	20	29.6	38.4	6.6	10.1	12.8	15.1	7.1	10.1	13.3	16
3 ips	14.4	16.4	24.4	30	8	8.8	12	14.8	4	5.5	6.8	8.3
2 ips	22	24.8	36.4	45.2	11.6	13.2	18.4	22	6	6.8	9.2	11.2
1 ips	43.6	49.6	52.8	90.4	23.6	26.8	36.4	44	11.6	13.2	18	22.4

Channel	CIF (352x240)				2CIF (704x240)				4CIF (704x480)			
	Highest	High	Standard	Low	Highest	High	Standard	Low	Highest	High	Standar	Low
30 ips	17.7	29	37	46	16.2	29.5	39.7	45.6	18.5	29.5	45.1	53.2
15 ips	11.2	17.5	22.1	26.9	10.8	17.8	23.2	27	11.9	17.8	25	29.8
7 ips	8.8	10	14.8	19.2	6.6	10.1	12.8	15.1	7.1	10.1	13.3	16
3 ips	7.2	8.2	12.2	15	4	4.4	6	7.4	4	5.5	6.8	8.3
2 ips	11	12.4	18.2	22.6	5.8	6.6	9.2	11	3	3.4	4.6	5.6
1 ips	21.8	24.8	26.4	45.2	11.8	13.4	18.2	22	5.8	6.6	9	11.2

Color Legend (maximum channels available at specified image rates)

	up to 16 ch		up to 8 ch		up to 4 ch		only 2 ch		only 1 ch
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Specifications

SPECIFICATIONS

Video Standard	NTSC or PAL (switchable)
Monitor Display	Real Time 30FPS (NTSC) Per Camera
Operating System	Embedded Linux
Record Scheduling	Daily, Weekly, adjustable to specific hour per channel
Record Mode	Continuous, Motion, Event, Panic
Remote Access	TCP/IP, View, Search, Recording and Control (Client Software or browser)
Playback	Up to 16 channel simultaneous playback
Pre/Post Alarm	5 Secs (Pre), 3 Mins (Post), programmable per camera
VGA Output	Standard (for monitors with multi-sync function only) (1024 x 768, 60Hz)
Motion Detection	16 x 16 Grid, Sensitivity Levels: 10
DVR Operation	Triplex
Video Inputs	16 Ch - 16 Channel: 16 inputs, 1Vp-p, CVBS, 75 ohms, BNC 8 Ch - 8 Channel: 8 inputs, 1Vp-p, CVBS, 75 ohms, BNC,
Video Outputs	16 Ch - 16 looping outputs 8 Ch - 8 looping outputs
Monitor Outputs	1 x BNC Composite Video, S-VHS and VGA
Spot Output	16 Ch - 4 x 1Vp-p, CVBS, 75 ohms, BNC 8 Ch - 2 x 1Vp-p, CVBS, 75 ohms, BNC
Audio Inputs	4 x line-in, RCA
Audio Output	1 x line-out, RCA
Screen Options	16 Ch - 1, 4, 6, 8, 9, 13, 16 8 Ch - 1, 4, 6, 8
Resolution	352x240, 704x240, 704x480 (NTSC)
Compression Standard	MPEG-4
Recording Speed (ips)	352x240: 120 ips, 704x240: 60 ips, 704x480: 30 ips
Image File Size	3-5 Kbyte (352x240), 5-10 Kbyte (704x240), 6-16 Kbyte (704x480)
Hard Disk Capacity	3 x HDD, No limit on HDD Size
Back-up Storage	USB Default (USB Memory Stick included), DVD/CD-RW (option)
Alarm Inputs	16 Ch - 16 x TTL, programmable as NC/NO 8 Ch - 8 x TTL, programmable as NC/NO
Alarm Outputs	16 Ch - 16 x TTL 8 Ch - 8 x TTL
Back-up File Formats	AVI, JPG, BMP
Ethernet Interface	10/100 Base-TX, RJ-45 connection
Network Control	Live View, Recording, Set-up, Playback, Search, Archiving
PTZ Control	via RS-485 Interface
PTZ Operation	Pan, Tilt, Zoom, Focus, Iris, Preset and Tour
DayLight Saving	Included
Time Sync	Automatic via NTP
Software Updates	via USB memory stick or Network (FTP)
Security	Multi-Level access control via user password
Remote Alarm Notification	via SMTP E-mail
Supply Voltage	100VAC - 240VAC, 60/50 Hz
Operating Temperature	41° - 104° Fahrenheit
Dimensions	16.9" x 3.5" x 18.1" (WxHxD)
Rack Mount Size	19" 2U rack mountable (rack mount ears optional)
Weight	16.1 pounds

MODELS

8 Channel

DR8N*	8 Ch DVR w/no hard drive
DR8N-250*	250 GB HDD
DR8N-500*	500 GB HDD
DR8N-750*	750 GB HDD
DR8N-1TB*	1 TB HDD
DR8N-1.5TB*	1.5 TB HDD

16 Channel

DR16N*	16 Ch DVR w/no hard drive
DR16N-250*	250 GB HDD
DR16N-500*	500 GB HDD
DR16N-750*	750 GB HDD
DR16N-1TB*	1 TB HDD
DR16N-1.5TB*	1.5 TB HDD

*Add suffix "C" for CD writer option (e.g.: DR16NC-250)

*Add suffix "D" for DVD writer option (e.g.: DR16ND-250)

Accessories

DR-RM2	Optional 19" Rack Mount Kit (for 8 and 16-ch only)
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Compatible with our full line of Computer® Lenses and GANZ® CCTV Cameras



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PTZ Domes



BC Series
Day/Night Outdoor
IR Camera



ZC-NH258N - 540 TVL
Hi-Res Mechanical Day/Night Camera



ZC-D5000 Series
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Hi-Res Domes



ZC-OH5 Housings
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