GANZ

DIGIMASTER

DIGIMASTER SERIES
4, 8 & 16 CHANNEL DVRs

4 CHANNEL 120 IPS

8 CHANNEL 240 IPS

16 CHANNEL 240 IPS

3/5 Year Warranty
3 Years on DVR/
5 Years on Hard Disk Drive

Features:

- 4/8/16 ch video & 4 ch audio recording

- 240 (8 & 16 ch) / 120 (4 ch) images per second recording speed

- True TRIPLEX operation

- 10/100 Base T Network Connection allows remote viewing, playback and PTZ control

- Up to 704 x 480 (4 CIF / D1) resolution

- Optimized MPEG-4 compression

- Mouse control through USB port

- USB-2 port for quick downloading to flash drive

- Internal DVD drive for data backup (optional)

- PTZ control (drivers for most popular models included)

- Panic button recording mode with adjustable settings per channel

- Hard disk drives engineered for digital video surveillance optimize performance and improve reliability

CBC (AMERICA) Corp.
CBC GROUP

Features & Highlights

DIGIMASTER 4, 8 and 16 channel DVRs provide 'always-on' recording capability, with variable resolution, image quality, image rate and audio recording; all 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 and an optional internal DVD burner. MPEG-4 compression reduces HDD consumption. The user friendly GUI ties it all together with organized menu navigation and strong administration features.

Line-of-sight operation with handheld controller (included)

Panic Button triggers special emergency recording settings

Internal DVD drive (optional)

Intuitive, easy-to-navigate GUI and menu system

Jog /Shuttle wheel for easier searching

DIGIMASTER

Up to 16 channels of high resolution digital video recording and retrieval

Two (2) Front Panel USB-2 ports for quick easy archiving of still images or full-motion video and sync audio

Archive Audio and Video to DVD writer or USB Thumb Drive

"One touch" instant playback

Supports most popular PTZ devices, with Preset and Tour functions

Search by Event or a specific Date/Time

Remote and USB Flash Drive included

Up to 16 channels of BNC video inputs and Hi-Z Loop outs

BNC and S-Video main monitor outputs

Four (4) individually sequenced spot monitor outputs

4 channels of audio recording, with remote audio monitoring and bi-directional audio transmission via network/LAN and client PC

Up to 16 analog alarm inputs and up to 16 Relay Outputs, all adjustable as N/O or N/C

3rd USB-2 port on rear panel

VGA out

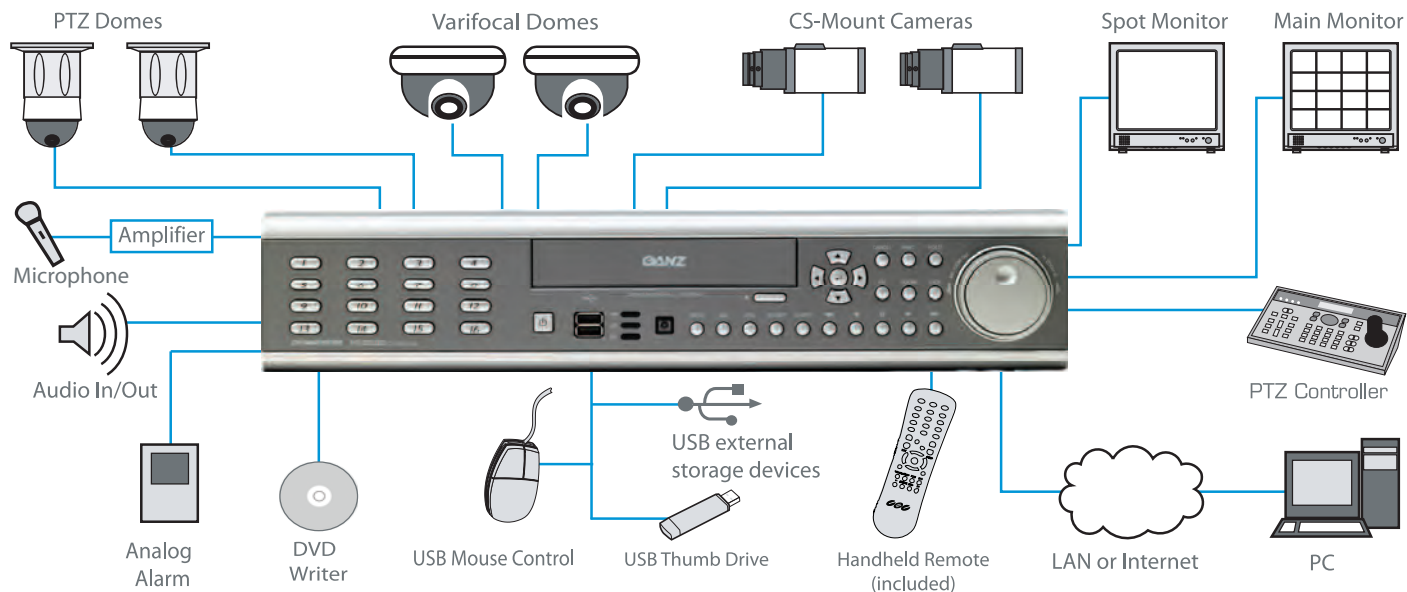RS-485 Interface supports most PTZ devices & protocols

RJ-45 10/100 Ethernet LAN capability

100-220VAC power input

Designed to work seamlessly with our full line of CCTV Products

System Configuration

PTZ Domes   Varifocal Domes   CS-Mount Cameras   Spot Monitor   Main Monitor

Amplifier

Microphone

Audio In/Out

Analog Alarm   DVD Writer   USB Mouse Control   USB Thumb Drive

USB external storage devices

Handheld Remote (included)   LAN or Internet   PC

PTZ Controller

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, remote configuration, 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

DR16N-1TB
up to 16 channels of video
1TB HDD capacity
240ips Global Image Rate

DR16N-1TB		CIF (352x240)				2CIF (704x240)				4CIF (704x480)			
		Highest	High	Standard	Low	Highest	High	Standard	Low	Highest	High	Standard	Low
	30 ips	17.6	29.1	36.9	46.2	16.2	29.5	39.7	45.6	18.5	29.5	45.2	53.2
	15 ips	11.1	17.4	22.1	26.9	10.8	17.8	23.2	27	12	17.8	25.9	29.8
	7.5 ips	13.3	19.7	24.9	29.8	6.7	10.1	12.8	15.1	7.2	10.1	13.4	16.1
	3 ips	14.7	21.2	26.5	31.5	7.5	10.8	13.5	16.1	3.9	5.4	6.9	8.3

DR8N-1TB
up to 8 channels of video
1TB HDD capacity
240ips Global Image Rate

DR8N-1TB		CIF (352x240)				2CIF (704x240)				4CIF (704x480)			
		Highest	High	Standard	Low	Highest	High	Standard	Low	Highest	High	Standard	Low
	30 ips	17.6	29.1	36.9	46.2	16.2	29.5	39.7	45.6	18.5	29.5	45.2	53.2
	15 ips	22.5	34.9	44.2	52.9	10.8	17.8	23.2	27	12	17.8	25.9	29.8
	7.5 ips	26.6	39.5	49.8	59.6	13.3	20.2	25.6	30.3	7.2	10.1	13.4	16.1
	3 ips	29.4	42.3	53.1	63	15.1	21.7	27	32.2	7.9	10.9	13.7	16.6

DR4N-500
up to 4 channels of video
500GB HDD capacity
120ips Global Image Rate

DR4N-500		CIF (352x240)				2CIF (704x240)				4CIF (704x480)			
		Highest	High	Standard	Low	Highest	High	Standard	Low	Highest	High	Standard	Low
	30 ips	20.5	23.6	35.1	49.3	24	27.6	41.9	56.2	20.4	23.4	35	45.8
	15 ips	27.9	32	47.4	63.7	15.9	18.2	26.6	34.3	14.2	16.2	23.6	30.3
	7.5 ips	35.1	40.1	59.3	76.6	19.5	22.3	31.5	39.3	9.2	10.4	14.7	18.6
	3 ips	29.1	33.1	48.6	60.2	15.7	17.8	24.3	29.4	7.8	8.9	12.1	14.9

Color Legend
up to 16-Ch available at this image rate
up to 8-Ch available at this image rate
up to 4-Ch available at this image rate
only 2-Ch available at this image rate
only 1-Ch available at this image rate
(maximum channels available at specified image rates)

DR16N is compatible with the ZCA-SC201 PTZ Dome/DVR Controller

All models include Handheld Remote & USB Flash Drive

■ Specifications

Models	DR4N - 4 Channel DVR	DR8N - 8 Channel DVR	DR16N - 16 Channel DVR
Video Standard	NTSC or PAL (switchable)		
Monitor Display	Real Time 30 FPS (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 Seconds (Pre), 3 Minutes (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	4 inputs, 1Vp-p, CVBS, 75 ohms, BNC	8 inputs, 1Vp-p, CVBS, 75 ohms, BNC	16 inputs, 1Vp-p, CVBS, 75 ohms, BNC
Video Outputs	4 looping outputs	8 looping outputs	16 looping outputs
Monitor Outputs	1 x BNC Composite Video, S-VHS and VGA		
Spot Output	1 x 1Vp-p, CVBS, 75 ohms, BNC	2 x 1Vp-p, CVBS, 75 ohms, BNC	4 x 1Vp-p, CVBS, 75 ohms, BNC
Audio Inputs	4 x line-in, RCA		
Audio Output	1 x line-out, RCA		
Screen /Display Split	1, 4	1, 4, 6, 8	1, 4, 6, 8, 9, 13, 16
Resolution	352 x 240, 704 x 240, 704 x 480 (NTSC)		
Compression Standard	MPEG-4		
Recording Speed (NTSC/PAL)	120/100fps @ CIF (352 x 240 / 352 x 288) 60/50fps @ 2CIF (704 x 240 / 704 x 288) 30/25fps @ 4CIF (704 x 480 / 704 x 576)	240/200fps @ CIF (352 x 240 / 352 x 288) 120/10fps @ 2CIF (704 x 240 / 704 x 288) 60/50fps @ 4CIF (704 x 480 / 704 x 576)	
Back-up Storage	USB Default (USB flash drive included) and/or backup to CD/DVD media via optional DVD writer		
Alarm Inputs	4 x TTL, programmable as NC/NO	8 x TTL, programmable as NC/NO	16 x TTL, programmable as NC/NO
Alarm Outputs	1 NC/NO	8 x TTL	16 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 Savings	Included		
Time Sync	Automatic via NTP		
Watermarked Video	Yes		
Firmware Updates	via USB flash drive		
Security	Multi-Level access control via user password		
Remote Alarm	Notification via SMTP email		
Supply Voltage	4 Ch - DC12V/5A (adapter Supplied)	8 /16 Ch - 100VAC - 240VAC, 60/50 Hz	
Operating Temperature	41°F - 104°F / 0°C - 45°C		
Relative Humidity	80%		
Dimensions (W x H x D)	14.2"x 2.8" x 15.3"	16.9" x 3.5" x 18.1"	
Rack Mount Size	1.5U	2U	
Weight	8.3 lbs./6.5kg	16.1 lbs./8kg	
Shipping Weight	7kg	10kg	
Regulatory	CE, FCC, UL, RoHS		

■ Models & Optional Accessories

Models

4 Channel DVR		8 Channel DVR		16 Channel DVR	
DR4N*	no hard drive	DR8N*	no hard drive	DR16N*	no hard drive
DR4N-250*	250 GB HDD	DR8N-500*	500 GB HDD	DR16N-500*	500 GB HDD
DR4N-500*	500 GB HDD	DR8N-1TB*	1 TB HDD	DR16N-1TB*	1 TB HDD
DR4N-1TB*	1 TB HDD	DR8N-1.5TB*	1.5 TB HDD	DR16N-1.5TB*	1.5 TB HDD
DR4N-1.5TB*	1.5 TB HDD	DR8N-2TB*	2 TB HDD	DR16N-2TB*	2 TB HDD
-	-	DR8N-3TB*	3 TB HDD	DR16N-3TB	3 TB HDD

Add suffix "D" for DVD writer option (e.g. DR16ND-500)

Optional Accessories

DR4-RM1A	19"rack mount kit for 4 channel models
DR-RM2	19"rack mount kit for 8 and 16 channel models
ZCA-SC201	PTZ Dome Controller (for DR16N)

All specifications are subject to change without notice

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