

Security Driven by **Intelligence**

**GANZ**

Security Solutions

by 

# RECORDING DEVICES

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RECORDING  
DEVICES



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## About Ganz

Ganz Security by CBC is a global leader in the design, development and manufacture of world-class, trend setting security solutions. The Ganz brand offers integrated solutions across multiple market segments and includes an extensive selection of products including IP and analog cameras, performance driven optics, a diverse range of intelligent video analytics, discreet enclosures, video management software and a full range of recording and display devices. Ganz Security's state-of-the-art products are backed by exceptional technical support and industry leading customer service and are designed for easy integration and maximum scalability for any system requirements.

## Design Center

To further our commitment, the Ganz Design Center was developed to take the guesswork out of building a truly effective surveillance solution. From start to finish, our technical experts work directly with you to design a system that is built around your needs— with the right products, the right technology and the right level of support.

Our exceptional "VIP" level of support backs all of our products. With offices on the East Coast, West Coast and Mexico City, our customer service and technical teams are available to answer questions or to assist in configuring a system with one vision—your total security.

## **Intelligence** Driven by Design

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# SPECIALITY RECORDER - FLASHLIGHT CAMERA RECORDER

**NEW**



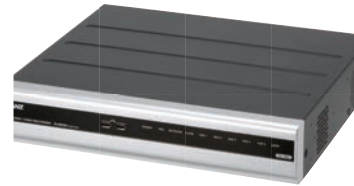
Model		HS-DV3200
Sensor	Image Sensor	CMOS
	Effective Pixels	2034 x 1296 Pixels
Display	Panel Size	1.5" TFT-LCD Color View Screen with Ploycarbonate Lens
	Panel Resolution	320 x 240 Pixels
	Zoom control	1 ~ 4X; can be applied to photos & to video clips "on the fly" during recording.
Lens	Lens Angle	60°
	Working Distance	2.4"(60mm) to infinity
	Lens Type	6 mm
Illuminance	Illuminance	0 LUX
	LED Lighting	LED x 2 (Used separately or illuminate camera's field of view)
	IR Lighting	IR LED x 1
	Brightness	950 and 1,500 lumens at 60%, and 100% power @ 1M distance
Audio	Microphone	Yes
Recording	Video Format	MOV (1 hour = 5.8GB File Size)
	Picture Format / Compression	jpg / H.264
	Time-stamped	Photos and video clips
	Video Resolution	HD - 1920 x 1080 / 1280 x 720 pixels or 848 x 480 / 640 x 480 pixels @ 30FPS
	Image Size	12M (4032 x 3024), 10M (3648 x 2736), 8M (3264 x 2448), 5M (2592 x 1944), 3M (2048 x 1536), 2MHD (1920 x 1080), 1.3M (1280 x 720), or VGA (640 x 480)
	Playback	Instant Playback
Interface	AV OUT Interface	ø3.5mm Phone jack
	USB Interface	Micro USB (Easy transfer of data to PC)
	Storage	Maximum 32GB TF card supported
	Alarm	Buzzer
	RFID Reader	125KHz (Optional)
	Languages Supported	English, Spanish, Portuguese, French, German, Italian, Russian, Traditional Chinese, Simplified Chinese, Japanese
Environment	Temperature	32° ~ 104°F (0° ~ 40°C) operating / 32° ~ 104°F (0° ~ 40°C) storage
Electrical	Battery	3.7V 5000mAh Lithium ion battery (charger not included)
	Battery Life	2 hours @ 1,500 lumens, 4 hours @ 950 lumens while recording, 5 hours recording only
Physical	Dimensions	2.3" (ø) x 11.1" (L) / 60.5mm (ø) x 283mm (L)
	Weight	1.4 lbs (630g) with battery
	Material	Anodized military-grade aerospace aluminum housing, with knurled non-slip grip and rubber overmold
	Weatherproof	Entire unit is IP66 waterproof
	Drop Tested	1m
	Includes	Battery, USB Cable, 16GB Micro SD Memory Card

# NETWORK VIDEO RECORDERS



Model		NR8-4M71	NR8-8M72	NR8-16M74
Video Channels	No. of PoE	Max 4Ch	Max 8Ch	Max 16Ch
	Video Compression	H.264/MJPEG		
Audio	Input	4Ch (IP Camera)	8Ch (IP Camera) + 1Ch (Local)	16Ch (IP Camera) + 1Ch (Local)
	Output		1Ch	1Ch
Display	Interface	1 HDMI, 1 VGA / Dual Display (Duplicate)		
	Output Resolution	1024x768 / 1280x720 / 1920x1080		
	Display Rate	4ch 1080P@30fps, 1ch 6MP@20fps		
	Privacy Masking	Yes		
Recording	Stream 2 Resolution	1024x1024 / 720x720 / D1 / VGA / 640x360 / CIF / QVGA / QCIF (Based on camera model in use)		
	Stream 1 Resolution	6MP/5MP/4MP/3MP/1080p/720p (Based on camera model in use)		
	Record Rate	1080p/720p/D1/VGA/640x360/CIF/QVGA/QCIF @ 25fps(PAL), 30fps (NTSC) 6MP / 5MP / 4MP / 3MP @ 15IPS		
	Bit Rate	Max 18Mbps	Max 36Mbps	Max 72Mbps
	Record Mode	Manual, Schedule (Regular (Continuous), MD, Alarm), None		
	Record Interval	Pre-record: 5 sec / Post-record: 0~30 sec		
Detection	Trigger Events	Motion Alarm, Video Loss	Motion Alarm, I/O alarm, Video Loss	
	Video Detection	Motion Detection		
Alarm & Relay	Alarm Input	4Ch (IP Camera) + 0Ch (Local)	8Ch (IP Camera) + 0Ch (Local)	16Ch (IP Camera) + 2Ch (Local)
	Alarm Output	4Ch (IP Camera) + 0Ch (Local)	8Ch (IP Camera) + 0Ch (Local)	16Ch (IP Camera) + 2Ch (Local)
	Watchdog	Yes - SMART		
Playback & Backup	Sync Playback	1ch (6MP / 5MP / 4MP / 3MP) or 4ch (1080P / 720P)		
	Playback Speed	x1, x2, x4, x8		
	Export/Backup	External ODD, USB Memory		
	Watermark	Yes		
Network	Ethernet Port	1 (LAN) - 10/100/1000Mbps		
	PoE	4Ch 10/100/1000Mbps	8Ch 10/100/1000Mbps	16Ch 10/100/1000Mbps
	Max. User Access	10		
	Web Browser	Yes (Windows®, MacOS/X®)		
	Mobile App	Yes (iOS & Android)		
	DMS Client	Yes - Windows®		
Storage	Internal HDD	Max 1 (3TB)	Max 1 (4TB)	Max 4 (4TB)
Dimensions		10.0" x 1.9" x 9.3" / 1U	14.6" x 1.8" x 12.2" / 1U	17.3" x 2.6" x 14.8", 1U
Certifications		FCC, CE, RoHs		

# NETWORK VIDEO RECORDERS



Model		NR8H	NR16H
Video Channels	No. of PoE	8Ch	8Ch + 8Ch External PoE Switch (Included)
	Video Compression	H.264	
Audio	Input	8Ch (IP Camera) / 1 Mic (Non recording)	16Ch (IP Camera) / 1 Mic (Non recording)
	Output	1Ch	
	Bi-directional Audio	Yes	
Display	Interface	1 HDMI, 1 VGA / Dual Display (Duplicate)	
	Output Resolution	Auto / 1280x1024 / 1280x720 / 1920x1080	
	Display Rate	240FPS/200FPS	480FPS/400FPS
	Privacy Masking	Yes	
Recording	Record Rate	Up to 240FPS @ 640x352 / 720P / 1080P	Up to 480FPS @ 640x352 / 720P / 1080P
	Record Mode	Auto Configuration / Continuous / Motion / Alarm / Panic / Schedule	
	Record Interval	Pre-record: 01~15 sec / Post-record: 5~180 sec	
Detection	Trigger Events	Alarm, Motion Video Loss, Panic, System (Disk Events, Boot, Login, Fan, Temp, PoE, Network)	
	Video Detection	Motion Detection	
Alarm & Relay	Alarm Input	8Ch (IP Camera) + 2Ch (Alarm In)	16Ch (IP Camera) + 2Ch (Alarm In)
	Relay Output	8Ch (IP Camera)	16Ch (IP Camera)
		1 Relay (Local)	1 Relay (Local)
Playback & Backup	Sync Playback	1Ch / 4Ch / 9Ch split: Up to 240FPS @ 1920x1080	1Ch / 4Ch / 9Ch / 16Ch split: Up to 480FPS @ 1920x1080
	Search Mode	Time / Calendar / Thumbnail / Event / Text-In Search	
	Export/Backup	External ODD, USB Memory, FTP	
	WaterMark	Yes	
Network	Ethernet Port - Wan	1 - 10/100Mbps	
	Ethernet Port - Lan	1 - 10/100Mbps	
	PoE	Max 8Ch	Max 8Ch Internal + Max 8Ch External
	Max. User Access	8 Remote users	
	Web Browser	Yes (Windows®, MacOS/X®)	
	Mobile App	Yes (iOS & Android)	
	DMS Client	Yes (Windows®, MacOS/X®)	
Storage	Internal HDD	Max 5	Max 5
	External HDD	Max 5 (eSATA port)	Max 5 (eSATA port)
Auxiliary Interface	eSATA	Yes	Yes
Physical	Dimensions (WxDxH)	16.9" x 14.2" x 3.5" (430 x 360 x 88 mm)	
	Certifications	UL, FCC, CE, RoHS, Weee	

## ZNR MINI SERVERS WITH ULTRA SMALL FORM FACTOR

**NEW**



Model	ZNR-MCC4TB-24
Power Supply	AC 100-240V, Output: DC 12V / 3A
Form Factor	Micro PC
Operating System	Windows 7 (via mSATA SSD)
NIC	Realtek RTL8111G Gigabit Fast Ethernet Controller
Internal Storage	eMMC 128GB
External Storage	4TB HDD
CPU	Intel® Bay Trail-M N2808
RAM	DDR3L 2GB / 4GB
Graphics Card	Intel HD Graphics
Video Output	1 x HDMI Port / 1 VGA Port
Audio	HD Audio Subsystem by Realtek ALC283
USB	1 x USB3.0 Port / 2 x USB2.0 Ports
Wireless	WiFi 802.11 b/g/n & Bluetooth 4.0
VESA	Supports 75mm / 100mm
Dimensions	6.0" x 5.4" x 2.8" / 152mm x 137mm x 71mm
Accessories	1 x Power adapter (US+UK+EU AC plug), 1 x VESA Bracket, 7 x Screws, Manual & Driver DVD

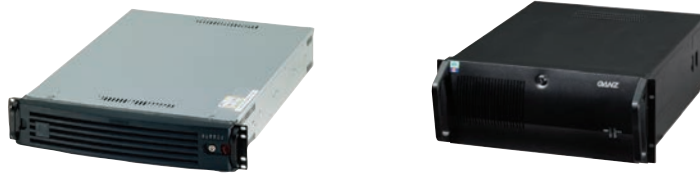
## ZNR MINI SERVERS



Model	ZNR-MINIi3-xTB	ZNR-MINIi5-xTB
Power Supply	200W PS	
Form Factor	Mini Desktop/Mini Tower	
Cooling System	1x 80mm front fans	
Operating System	Windows 7 (64 Bit) on an Intel SSD	
NIC	1x Intel 1Gbit Ethernet LAN / Wi-Fi 2.4/5Ghz + Bluetooth v4.0	
DVD/CD RW	Front panel access	
Storage	3TB-4TB Internal (SATA - 6Gb/s-7200 RPM)	
Graphics Card	Intel HD Graphics	
External Analog Encoder	4Ch / 8Ch/ 16Ch/ 24Ch/ 32Ch - OPTIONAL ENCODER	
CPU	Intel i3-6100 Processor	Intel i5-6400 Processor
RAM	8 GB DDR3	
Dimensions	3.9"W x 13.3"D x 10.2"H	

\*\*\* ZNR-MINI in combination with external analog encoders available.  
Call for custom configurations.\*\*\*

## NVR SERVERS - ZNR SERIES



ZNR Server	ZNR-2U-xTB	ZNR-4U-xTB
Power Supply	650W PS	
Form Factor	2U Rack mount	4U Desktop (Rack mountable)
Cooling System	4x 80mm front fans	2x 80mm front fans
Operating System	Windows 7 (64 Bit) on an Intel SSD	
NIC	2x Intel 1Gbit Ethernet LAN	
DVD/CD RW	Front panel access	
Storage	3TB-30TB Internal (SATA - 6Gb/s-7200 RPM)	
Graphics Card	Intel HD Graphics 530	
External Analog Encoder	4Ch / 8Ch/ 16Ch/ 24Ch/ 32Ch/ 48Ch/ 64Ch - OPTIONAL ENCODER	
CPU	Intel i7-6700 Processor	
RAM	16 GB DDR4	
Dimensions	16.8"W x 25.6"D x 3.5"H	19"W x 21.5"D x 7" H
Certifications	UL Listed, CE, FCC	

## NVR SERVERS - ZNR CLIENT SERVERS



Model	ZNR-ClientPC	ZNR-ClientPC-4K	ZNR-ClientPC-EXT
Power Supply	650watt PS		
Form Factor	Mid Tower / 4U (Desktop/Rack mountable)		
Cooling System	1 ~ 2x 80mm front fans based on form factor		
Operating System	Windows 7 (64 Bit) on an Intel SSD		
NIC	2x Intel 1Gbit Ethernet LAN		
DVD/CD RW	Front panel access		
Storage	3TB Internal (SATA - 6Gb/s-7200 RPM)		
Graphics Card	2x 128bit 2Gig w/HDMI + DVI	1x 256bit 2Gig w/HDMI + DVI	2x 256bit 2Gig w/HDMI + DVI
Monitor Support	2x per graphics card	6x per graphics card	6x per graphics card
CPU	Intel i7-6700 4x-Core Processor		Intel i7-5820K 6x-Core Processor
RAM	16 GB DDR4		
Dimensions	7.8" x 18.5" x 16.8" Mid Tower form factor		19" x 21.5" x 7" 4U form factor



## NVR SERVERS - ZNR RAID-6 SERVERS



ZNR Models	ZNR RAID-6 12TB ~ 15TB	ZNR RAID-6 18TB ~ 42TB	ZNR RAID-6 48TB ~ 84TB
Power Supply	(3) Antec Trio 650W (redundancy)	(3) Antec Trio 820W (redundancy)	(3) Antec Trio 960W (redundancy)
Form Factor	3U, 8 Bay	3U, 16 Bay	4U, 24 Bay
Cooling System	2x 120mm front fans, 2 x 80mm top fans		
Operating System	Windows 7 (64 Bit) on dedicated solid state drive		
NIC	3x Intel Gb Ethernet 1000 Mbps LAN		
DVD/CD RW	Front panel access		
Storage (SATA-3Gb/s-7200 RPM)	Hot Swap 12TB ~ 15TB Internal	Hot Swap 18TB-42TB Internal	Hot Swap 48TB-84TB Internal
Graphics Card	128 bit/1GB (HDMI/DVI-I/VGA)		
CPU	(2) Intel Xeon 26xx Series (Six Cores)		
RAM	8GB fully buffered		
Dimensions (W x D x H)	17" x 26" x 5.2"	17.1" x 27.5" x 7"	17.2" x 26" x 7"

## NVR SERVERS - ZNR RAID-6 SERVERS - LITE



ZNR RAID Lite Models	ZNR RAID-6 Lite 6TB ~ 15TB	ZNR RAID-6 Lite 18TB ~ 36TB	ZNR RAID-6 Lite 39TB ~ 84TB
Power Supply	(3) Antec Trio 650W PS (redundancy)	(2) Antec Trio 820W PS (redundancy)	(3) Antec Trio 960W (redundancy)
Form Factor	3U, 8 Bay	3U, 16 Bay	4U, 24 Bay
Cooling System	2x 120mm front fans, 2 x 80mm top fans		
Operating System	Windows 7 (64 Bit) on dedicated solid state drive		
NIC	3x Intel Gb Ethernet 1000 Mbps LAN		
DVD/CD RW	Front panel access		
Storage (SATA-3Gb/s-7200 RPM)	Hot Swap 6TB ~ 15TB Internal	Hot Swap 18TB-36TB Internal	Hot Swap 39TB-84TB Internal
Graphics Card	128 bit/1GB (HDMI/DVI-I/VGA)		
CPU	Intel i7 (4770 Quad Core)		
RAM	8GB fully buffered		
Dimensions (W x D x H)	17" x 26" x 5.2"	17" x 26" x 5.2"	17.1" x 27.5" x 7"

# AHD VIDEO RECORDERS



Model	DRH8-4M41-A	DRH8-8M41-A	DRH8-16M44-A	
	Analog Video Input	4Ch	8Ch	16Ch
	Analog Video Standard	NTSC / PAL - Standard / AHD		
Audio	Input	4Ch (10KOhm, 2.8Vpp)	4Ch (10KOhm, 2.8Vpp)	16Ch (10KOhm, 2.8Vpp)
	Output	1Ch (600Ohm, 2.8Vpp)		
	Bi-directional Audio	Yes		
Display	Interface	1 HDMI, 1 VGA / Dual Display (Duplicate)		
	Output Resolution	1080P / 720P / 1280x1024		
	Display Rate	1080P@12fps / 720P@30fps / 1280x1024@30fps	1080P@12fps / 720P@30fps / 1280x1024@30fps	1080P@12fps / 720P@30fps / 1280x1024@30fps
	Display Split	1, 4	1, 4, 9	1, 4, 9, 16
Recording	SD Resolution	CIF / 2CIF / 4CIF / D1 / 960H		
	HD Resolution	720P / 1080P		
	Recording Rate	960@30fps / D1@30fps		
		1080P@12fps / 720P@30fps		
	Bit Rate	Lowest / Lower / Low / High / Higher / Highest		
	Record Mode	Manual, Schedule (Regular (Continuous), MD, Alarm), None		
Record Interval	Pre-record: 1~15 sec / Post-record: 5~180 sec			
Detection	Trigger Events	Motion, Alarm, Panic, Vloss		
	Video Detection	Motion Detection		
Alarm & Relay	Alarm Input	0Ch	0Ch	16Ch
	Relay Output	0 Ch	0 Ch	4 Ch
Playback & Backup	Search Mode	Calender / Event / Time / Thumbnail		
	Playback Speed	x1, x2, x4, x8, x16, x32, x64		
	Export/Backup	External ODD, USB Memory, FTP		
Network	Ethernet Port	1 (WAN) - 10/100Mbps		
	Max. User Access	8		
	Web Browser	Yes (Windows®, MacOS/X®)		
	Mobile App	Yes (iOS & Android)		
DMS Client	Yes - Windows®			
Physical	Internal HDD	Max 1	Max 1	Max 4
	USB	2 ports (Rear)	2 ports (Rear)	2 ports (Rear)
	Dimensions	13.8" x 11.6" x 1.8, 1U	13.8" x 11.6" x 1.8, 1U	17.3" x 15.8" x 2.4, 1U
	Certifications	ROHS, FCC, CE		

# MULTI-FORMAT RECORDING DEVICE



**NEW**



Model		DR-8F45AT	DR-16F45AT
	Analog Video Input	8Ch	16Ch
	Analog Video Standard	NTSC / PAL - AHD / TVI selectable	
	Video Compression	H.264	
Audio	Input	8Ch (10KOhm, 2.8Vpp)	16Ch (10KOhm, 2.8Vpp)
	Output	1Ch (600Ohm, 2.8Vpp)	
Display	Interface	1 HDMI, 1 VGA / Dual Display (Duplicate) or (Main+Spot)	
	Output Resolution	1920x1080	
	Display Rate	240FPS/200FPS	480FPS/400FPS
	Spot-Out	1Ch (Layout 1x, 2x2)	2Ch (Layout 1x, 2x2)
Recording	SD Resolution	CIF / 2CIF / 4CIF / D1 / 960H	
	HD Resolution	720P / 1080P	
	Recording Rate	Up to 240FPS/200FPS @ CIF Up to 240FPS/200FPS @ D1 / 960H / 720P / 1080P	Up to 480FPS/400FPS @ CIF Up to 480FPS/400FPS @ D1 / 960H / 720P / 1080P
Detection	Trigger Events	Motion, Tamper, Alarm, Panic, Vloss	
	Video Detection	Motion Detection	
Alarm & Relay	Alarm Input	8Ch+(1Ch Panic, 1Ch ARI), Pulled up to 5V via 10KOhm	16ChH+(1Ch Panic, 1Ch ARI), Pulled up to 5V via 10KOhm
	Alarm Output	4Ch, O.C. (Pulled up to 5V via 10KOhm)	8Ch, O.C. (Pulled up to 5V via 10KOhm)
	Relay	4Ch, RELAY(125VAC, 60VDC)	8Ch, RELAY(125VAC, 60VDC)
Playback & Backup	Search Mode	Calender / Event / Time / Thumbnail	
	Playback Speed	x1, x2, x4, x8, x16, x32, x64	
	Export/Backup	External ODD, USB Storage, FTP	
Network	Ethernet Port	1 (WAN) - 10/100/1000Mbps	
	Max. User Access	10	
	Web Browser	Yes (Windows®, MacOS/X®)	
	Mobile App	Yes (iOS & Android)	
	DMS Client	Yes (Windows®, MacOS/X®)	
Storage	Internal HDD	Max 5	Max 5
	Internal RAID	RAID 5	RAID 5
	External HDD	Max 5	Max 5
Auxiliary Interface	eSATA	Yes	Yes
	USB	3 ports (2 Front + 1 Rear)	3 ports (2 Front + 1 Rear)
Physical	Dimensions (WxDxH)	16.9" x 14.4 x 3.3 / 2U (430 x 367 x 88.4mm)	
	Certifications	CE, FCC, e-Tick	

# Intelligence Driven by Design



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