



## 16 Channel 8MP Multi-format DVR

**GANZ**  
**DIGIMASTERMP**  
*Multi-Format Recorder*

# DR-16M52

### Features:

- Supports H.264/H.265 CODEC
- Supports dual display
- Up to max. 8MP recording
- All In One - TVI / AHD / CVBS / IP
- Compatible with ONVIF cameras
- Supports CVBS spot monitor
- HD monitor and VGA video output
- Supports P2P
- Compact size & easy to install HDD
- Available in 2TB, 4TB, and 8TB
- NDAA Compliant

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## ■ Specifications

VIDEO	Video Input Signal	AHD (8M, 5M, 4M, 3M 2M, 720p), TVI (8M, 5M, 4M, 3M 2M, 720p), SD (NTSC, PAL)
	Main Monitor	HDMI (4K) / VGA
	Spot Out	1 BNC (NTSC, PAL)
	Loop Through	no
	Motion Detection	Yes
AUDIO	Audio Input Signal	4CH (10KOhm, 2.8Vpp)
	Output Signal	1CH (600Ohm, 2.8Vpp)
	CODEC	G.711 ulaw
RECORDING	Recording CODEC	H.264/H.265
	Analog Recording rate	Up to 128FPS@1920x2160 (8M Half), Up to 64FPS@2560x2160 (8M), Up to 160FPS@1296x1944 (5M Half), Up to 96FPS@2560x1944 (5M), Up to 240FPS@1344x1520 (4M Half), Up to 120FPS@2560x1520 (4M), Up to 240FPS@1280x1440 (QHD Half), Up to 120FPS@2560x1440 (QHD), Up to 240FPS@1024x1536 (3M half), Up to 144FPS@2048x1536 (3M), Up to 240FPS@ FHD, Up to 480FPS@HD or 2CIF or CIF.
	IP Recording rate	Up to 240FPS@ 8M, Up to 240FPS@ 5M, Up to 480FPS@ 4M, Up to 480FPS@ 3M Up to 480FPS@ FHD.
	Rec. Resolution	CIF, 2CIF, D1, 960H, 720P, 1080P, 3M, 4M, 5M, 8M
ALARM I/O	Alarm Input	16CH, Pulled up to 5V via 10KOhm
	Alarm Out 1	1CH, Relay (120VAC, 24VDC)
	Alarm Out 2	-
STORAGE	Internal HDD	2 EA
	External Storage	no
	Internal ODD	no
INTERFACES	USB	2x front
	RS-485	1
	RS-232	-
	LAN	1x 10/100/1000
	Remote Control	Yes
MONITORING	Display Rate	480@2M, 480@3M, 480@4M, 400@5M, 240@8M
	Display Resolution	4K / 30 (HDMI), 1080p (VGA)
	Display Mode	1, 4, 6, 8, 9,16
	Sequence	Programmable Sequence
	Digital Zoom	Yes
	Covert Cameras	Yes
	Camera Color Control	Yes (Contrast, Color, Tint, Brightness)
	PTZ Camera	Yes

All specifications are subject to change without notice.

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RECORDING	Video compression	H.264/H.265
	Audio compression	G.711
	Recording resolution	8M / 5M / 4M / 3M / 1080P / 720P / 960H / D1 / 2CIF / CIF
	Recording rate	Up to 160FPS@ 5M, Up to 240FPS @ 4M, Up to 240FPS @ 3M, Up to 480FPS @ FHD (Value when 2 / 3 / 4 / 5M Noise Filter Off is set)
	Schedule method	Daily / Weekly / Each Hour
	Programmable for ch	Yes
	Manual recording	Yes
	Post-event recording	5 / 10 / 15 / 20 / 30 / 60 / 180 SEC
	Event recording	Yes
	Pre-event recording	0 / 1 / 2 / 3 / 4 / 5 / 10 / 15 SEC
	Panic recording	Yes
	Event logging	Yes (Motion, Alarm, Panic, VLOSS)
	System logging	Yes (System On/Off, Time Changed, HDD/Email Operations, System Operations)
	Setup logging	Yes (Setup Changed)
Remote logging	Yes (Who, IP Address, Remote Operations)	
SEARCH & PLAYBACK	Display mode	1 / 4 / 9 / 16
	Playback Rate	Up to 160FPS@ 5M, Up to 240FPS @ 4M, Up to 240FPS @ 3M, Up to 480FPS @ FHD (Value when 2/3/4/5M Noise Filter Off is set)
	Playback Speed	x1, x2, x4, x8, x16, x32, x64
	Calendar Search	Yes (2008/1/1 – 2036/1/1)
	Search	Time, Event and Thumbnail
ARCHIVING	Archiving Devices	USB Memory, FTP
	Remote Archiving	Yes (Web RA, VMS, FTP)
	Snapshot Archiving	Yes
	Data Reserving	Yes
	Reserved Data List Mgmt	Yes
	Backup Data Format	AVI, RAW
	Watermark/ Verification	MD5 / Yes
	Archived Data Playback	Yes
NETWORK	Max. Connections	32 Users
	DHCP	Yes
	DDNS	Yes
	Transmission Rate	Max 480 FPS
	Bandwidth Control	Yes
	Web Browser Access	Yes
	Remote: Monitoring, Playback, Archiving, Setup, PTZ Control, Health Check	Yes
	VMS SUPPORT	Yes

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NETWORK	Two-Way Audio	Yes
	PC Based Remote Agent	Yes
	Smart Phone Application	Yes (iOS, Android)
	Web Based Remote Agent	Yes (Windows®, LINUX, MAC OS/X®, Etc.)
	SDK	Yes (HTTP, RTSP Protocol Base)
	Auto Router Port Forwarding	Yes
	Dual Streaming	Yes
	Ftp Client	Yes (For ARCHIVING)
	E-Mail	Yes (SMTP Client)
	Authority Control	Admin / Manager / User
	Protocols	RTP, RTSP, RTCP, SMTP, NTP, HTTP, FTP, DDNS, DHCP, UPNP (Router Port Forwarding)
EVENT	Video Loss Event	Yes
	Event Notification	Yes
	Event Popup	Yes
	Motion Detection	Yes
	Motion Sensor Area	Yes
	Language	Multi-language
	Keyboard Controller	Yes
	Operating System	LINUX®
	DST SETUP	Yes
ETC	Disk Temperature Check	Yes (Depending on HDD Spec)
	Disk S.M.A.R.T Check	Yes
	Auto Disk Recovery	Yes
	F/W Upgrade	Yes
	Setup Import/Export	Yes
	PTZ Control	Yes (Pan/Tilt / Zoom / Focus / Iris / Preset)
	Signal Switch	no
	Watchdog	Yes
	Cooling fan	1
POWER	Power Supply	12V/3A
	Power Consumption	15W max. Without HDD
ENVIRONMENT	Temperature	32°F~104°F / 0°C ~ 40°C
	Humidity	10 ~ 90% NC
CHASSIS	Dimension (W x D x H)	1U - 15" x 12.4" x 1.7" / 380 x 314.6 x 44mm
	Weight	5.7 lbs. / 3kg
CERTIFICATIONS	UL, cUL, FCC, CE	CE, FCC, NDAA Compliant

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