



Multi-Format Recording Device

**DIGIMASTER** *MP*

**DR-16M85-RA**

Features:

- Multi-Technology Platform - Analog / AHD / TVI / IP
- High resolution IP recording up to 4K
- Remote access via Network through web browser
- Pentaplex Operation: Simultaneous Live / Record / Playback / Archive / Network
- Video access through mobile devices
- Hand-held remote
- NDAA Compliant

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### ■ Specifications

MODEL		DR-16M85-RA	
Channels		16CH	
VIDEO	Analog Video Input	AHD (8M, 5M, 4M, 3M 2M, 720p), TVI (8M, 5M, 4M, 3M 2M, 720p), SD (NTSC, PAL)	
	IP Video Input	IP (8M, 5M, 4M, 3M, FHD)	
	Video Standard	NTSC, PAL	
	Video Compression	H.264/H.265	
AUDIO	Audio Input Signal	16CH (10KOhm, 2.8Vpp)	
	Output Signal	1CH (600Ohm, 2.8Vpp)	
	CODEC	G.711 ulaw	
DISPLAY	Interface	1 HDMI, 1 VGA / Dual Display (mirroring)	
	Output Resolution	4k/30 (HDMI), 1080p (VGA)	
	Display Rate	480@2M, 480@3M, 480@4M, 400@5M, 240@8M	
	Display Split	1, 4, 6, 8, 9, 16	
	Spot Out	2 BNC (NTSC, PAL)	
	Loop Through	Yes	
	Sequence	Programmable Sequence	
	Digital Zoom	Yes	
	Covert Cameras	Yes	
	Camera Color Control	Yes (contrast, color, tint, brightness)	
	PTZ Camera	YES	
RECORDING	Recording CODEC	H.264/H.265	
	Recording Resolution	8M / 5M / 4M / 3M / 1080P / 720P / 960H / D1 / 2CIF / CIF	
	Recording Rate	[Analog]	Up to 64FPS@2560x2160 (8M) / Up to 128FPS@1920x2160 (8M Half) Up to 96FPS@2560x1944 (5M) / Up to 160FPS@1296x1944 (5M Half) Up to 120FPS@2560x1520 (4M) / Up to 240FPS@1344x1520 (4M Half) Up to 120FPS@2560x1440 (QHD) / Up to 240FPS@1280x1440 (QHD Half) Up to 144FPS@2048x1536 (3M) / Up to 240FPS@1024x1536 (3M half) Up to 240FPS@FHD / Up to 480FPS@HD or 2CIF or CIF
		[IP]	Up to 240FPS@ 8M / Up to 240FPS@ 5M Up to 480FPS@ 4M / Up to 480FPS@ 3M Up to 480FPS@FHD
	Audio Compression	G.711	
	Recording Resolution	8M / 5M / 4M / 3M / 1080P / 720P / 960H / D1 / 2CIF / CIF	
	Schedule Method	Daily / Weekly / Hourly	
	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)		

Specifications are subject to change without notice.

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### ■ Specifications (continued)

RECORDING (CONT.)	System Logging	Yes (System On/Off, Time Change, HDD/Email Operations, System Operations)
	Setup Logging	Yes (Setup changed)
	Remote Logging	Yes (Who, IP Address, Remote Operations)
DETECTION	Video Loss Event	Yes
	Event Notification	Yes
	Event Popup	Yes
	Motion Detection	Yes
	Motion Sensor Area	Yes
ALARM I/O	Alarm Input	18CH [16CH + 2CH] (pulled up to 5V via 10KOhm)
	Alarm Out 1	8CH, relay (125VAC, 60VDC)
	Alarm Out 2	8CH, O.C. (pulled up to 5V via 1KOhm)
STORAGE	Internal HDD	Max 5EA
	External Storage	eSATA, NAS (FTP Server for Backup)
INTERFACES	USB	3 Ports (2 Front + 1 Rear)
	RS-485 / RS-232	2 / 1
	LAN	1 (LAN) + 1 (WAN) - 10/100/1000 Mbps
	Remote Control	Yes
SEARCH & PLAYBACK	Display Mode	1 / 4 / 9 / 16
	Playback Rate	Same as recording rate
	Playback Speed	x1, x2, x4, x8, x16, x32, x64
	Calendar Search	Yes (2008/1/1 - 2036/1/1)
	Event Search	Yes
	Time Search	Yes
	Thumbnail Search	Yes
ARCHIVING	Archiving Devices	USB Memory, FTP
	Remote Archiving	YES (Web RA, VMS, FTP)
	Snapshot Archiving	Yes
	Data Reserving	Yes
	Reserved Data List Management	Yes
	Backup Data Format	AVI, RAW
	Watermark	MD5
	Watermark Verification	Yes
	Archived Data Playback	Yes
NETWORK	Max. Connections	32 Users
	DHCP / DDNS	Yes / Yes
	Transmission Rate	Max 480 FPS
	Bandwidth Control	Yes

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### ■ Specifications (continued)

NETWORK (CONT.)	Web Browser Access	Yes
	Remote Monitoring	Yes
	Remote Playback	Yes
	Remote Archiving	Yes
	Remote Setup	Yes
	Remote PTZ Control	Yes
	Remote Health Check	Yes
	VMS Support	Yes
	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)
ADDITIONAL	Language	Multi-Language
	Keyboard Controller	Yes
	Operating System	LINUX®
	DST Setup	Yes
	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
	Signal Switch	No
	Watchdog	Yes
	Cooling Fan	Max 2x 80mm
	PTZ Control	Yes (Pan / Tilt / Zoom / Focus / Iris /Preset)
CHASSIS	Dimensions	2U 17" x 14.4" x 3.5"(430 X 367 X 88.4)
	Weight	TBD
POWER	Power Supply	DC12V, Adapter, 7.5A, 100~200V AC, 50-60Hz
	Power Consumption	24W max. without HDD
ENVIRONMENT	Temperature / Humidity	32°F~104°F / 0°C ~ 40°C, 10 ~ 90% NC
CERTIFICATIONS	CE, FCC, c-Tick, NDAA Compliant	

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