

NESS COMPACT SERIES

1CH & 4CH DIGITAL VIDEO RECORDERS



EDSR100H 1 CHANNEL COMPACT DVR
EDSR400H 4 CHANNEL COMPACT DVR
COMPACT PRACTICAL DVRs

COMPACT DVR SOLUTIONS

For fixed or mobile installations

Ness EDSR100H/M and EDSR400H/M Compact Series digital video recorders are high quality DVRs offering practical features and extra high resolution at 50 frames/sec.

All these DVRs have compact rugged housings and use the Ness Type 3 removable hard drive shell. A Compact Flash slot is provided onboard making it easy to share images and video with a PC.

The Ness Compact Series DVRs incorporate all the benefits of tapeless digital video recording, are simple to install and operate just like a VCR making them the perfect choice for multi-channel video recording where high quality and ease of use is a primary requirement.

Easy to use control panel with common VCR and multiplexer functions and Jog/Shuttle dial for picture-by-picture or fast/slow viewing using the on-screen setup menu and system timer.

The 4 channel models have networking and internet capabilities built-in with onboard LAN card and the ability to be remotely viewed using only a PC with a standard web browser or our powerful Ness Powercon3™ software for total control over remote sites.

An optional infrared remote control is also available.

The single channel and four channel "M" models are purpose built for mobile applications with toughened housings and mounts built to withstand the shocks and stresses of vehicle installations.

A special mounting kit and internal dampers absorb vibration and up to 10G of shock force.

NESS COMPACT SERIES - FEATURING

Tapeless Video Recording MJPEG (720x576)

50fps global recording rate

Simplex Operation (Duplex via EDR Manager or Powercon3 software)

Remote Surveillance EDSR400H/M with built-in LAN card, **Internet ready** via Web browser

Remote connect EDSR400H/M via LAN/WAN/ASDL.

Total Control over multiple sites using the **Ness EDR Manager** or single sites using Ness **Powercon3™** Software.



EDSR100M 1 CHANNEL MOBILE DVR
EDSR400M 4 CHANNEL MOBILE DVR
RUGGED MOBILE DVRs



- Mobile DVRs For Cars, Trucks, Buses, emergency Vehicles.
- GPS option to record position, longitude, latitude and speed.
- Anti-vibration mountings.
- 12V or 24V DC operation.

Digital Video Recorders are supplied excluding hard drive. OPTIONAL HARD DRIVES (including Type3 hot swap shell), 80GB, 120GB, 250GB, Hot swap shell only (Type3). OPTIONAL ACCESSORIES: Infrared Remote Control, Compact Flash memory card.



EDSR series drives are fully compatible with the optional 100-480 Ness Hard Drive Review Station. Allows hard drives to be taken off-site and reviewed using a PC.

SPECIFICATIONS	EDSR100H Part No. 100-303	EDSR100M Part No. 100-304	EDSR400H Part No. 100-495	EDSR400M Part No. 100-497
VIDEO INPUT TYPE	PAL & NTSC			
VIDEO COMPRESSION / FORMAT	M-JPEG, Proprietary Encrypted, Watermarked, Time stamped			
OPERATING SYSTEM	Proprietary embedded			
IMAGE CAPTURE SIZE	720 x 576 pixels			
VIDEO DISPLAY	Full screen		1, 4 / Quad, PIP, 2x2 Zoom, on Main Monitor view	
VIDEO INPUT	1 x BNC Analogue Video Inputs		4 x BNC Analogue Video Inputs	
LOOPED VIDEO OUTPUTS	YES			
IMPEDANCE LEVEL CONTROL	Automatic per channel			
VIDEO OUTPUT	Composite Video outputs, 1 x Main Monitor,		Composite Video outputs, 1 x Main Monitor, 1 x Spot Monitor	
TIMER	Built-in Real-Time Clock			
WATCH DOG TIMER	YES			
AUTO RECOVERY / AUTO REBOOT	Automatic Power Up Reboot to Previous mode, (Record, Standby, or Trigger) Mode, (typically within 60 seconds)			
HDD STORAGE	1 x 3.5" half height IDE, Hot Swap hard drive bay. Supports hard drive sizes up to 300Gb.			
RECORDING MODES	Continuous, Day Timer, Alarm Input trigger		Continuous, Day Timer, Alarm Input trigger, Motion detection	
RECORD / PLAYBACK OPERATION	Simplex Playback / Record		Simplex / Duplex via Ethernet Search / Playback / Record	
VIDEO COMPRESSION QUALITY LEVELS	5 levels compression / 15KB to 35KB Global			
RECORDING/PLAYBACK RATE	50fps Global			
VIDEO MOTION DETECTION	No	No	Programmable Grid, Sensitivity Per camera	
ALARM INPUT	1 Alarm input N/O, N/C programmable		4 Alarm inputs N/O, N/C programmable	
ALARM OUTPUT	1 Alarm output		1 x Alarm Switching Output	
ARCHIVE OUTPUTS / DEVICES	1 x Compact Flash Slot, 1 x Main Monitor output to VCR, EDSR Player Kit and PC Software via external Hard Drive Player		1 x Compact Flash Slot, 1 x Main Monitor output to VCR, PowerCon Software via Ethernet Port, EDSR Player Kit and PC Software via external Hard Drive Player	
REMOTE VIEWING ACCESS	No	No	Ethernet Card included LAN, WAN, ADSL. PowerCon3 Software via Ethernet Port	
LAN, WAN, DIRECT CONNECT	No	No	YES / Ethernet card / port included	
ADSL, BROADBAND CONNECTION*	No	No	YES / via 10 Mbps Ethernet port	
POWER REQUIREMENTS	24V DC power supply (supplied)	Requires 12V or 24V DC from vehicle	24V DC power supply (supplied)	Requires 12V or 24V DC from vehicle
POWER CONSUMPTION (RUN)	1A @ 24V DC	1A @ 24V DC 2A @ 12V DC	1A @ 24V DC	1A @ 24V DC 2A @ 12V DC
POWER CONSUMPTION (BOOT-UP)	1.5A @ 24V DC	1.5A @ 24V DC 3.5A @ 12V DC	1.5A @ 24V DC	1.5A @ 24V DC 3.5A @ 12V DC
DIMENSIONS (mm)	100(h) x 215(w) x 320(d)	110(h) x 215(w) x 320(d)	100(h) x 215(w) x 320(d)	110(h) x 215(w) x 320(d)
WEIGHT (Unit only/inc packaging)	3kg / 6kg	4kg / 6kg	3kg / 6kg	4kg / 6kg
OPERATING TEMPERATURE	0° C to 50° C			
RELATIVE HUMIDITY	5% to 85% Non-condensing			
OPERATING SHOCK	Not applicable	8G, 11ms, 20 per 5sec max	Not applicable	10G, 2ms, 2 per sec max
OPERATING VIBRATION	Not applicable	5–20Hz 1mm double amplitude	Not applicable	5–500Hz 0.7G (0 to peak)

* The EDR400H & EDSR400M can be used with broadband equipment and connection supplied by an Internet Service Provider.

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