

# Ness-Net Series DVRs



## 104-399 4ch Mobile DVR

### KEY FEATURES

- Stable power supply for 4 cameras / operates under low voltage
- GPS function – shows vehicle location and speed in both live and recorded video
- Dual-monitor function can output as rear view monitor and general LCD or TV monitor simultaneously
- Support up to 4CH PTZ control
- Voltage Detection – Shut down the DVR or trigger alarm under low voltage conditions
- Power circuit protection for peak voltage
- Pen drive for backup and UPC software supports HDD to HDD quick backup and instant events playback.
- Image protection: Watermark/ Encryption/ Time Stamp/ Shield
- Shockproof rubber anti-vibration insulators and brackets
- Support 2.5" or 3.5" hot swappable SATA HDD
- Delay Power off – Keep monitor on after turning off the car, so users can continue monitoring via CM3000 and WebViewer
- Remote control up to 4 DVRs simultaneously in different locations.
- Playback function to show information to passengers
- Shock Detection – alarm trigger by specified level of external force
- Remote Software Integration: CM3000, WebViewer, PDAViewer and JavViewer

### VIDEO FEATURES

- Video compression: MPEG4
- Video Format: NTSC and PAL
- Audio input/output: 4/1
- Display resolution: 800x600/ 1024x768/ 1280x1024
- Display frame rate: Real-time
- Hue/Brightness/contrast/Saturation adjustable

### RECORDING RESOLUTION

- D1 Enhanced: 720 x 480/720 x 576 (NTSC/PAL)
- Full D1: 720 x 480/720 x 576 (NTSC/PAL)
- CIF: 360 x 240/360 x 288 (NTSC/PAL)

### RECORDING FRAME RATE

- D1 Enhanced : 30/25 fps (NTSC/PAL)
- D1: 60/50 fps (NTSC/PAL)
- CIF: 120/100 fps (NTSC/PAL)

### RECORDING MODE

- Schedule recording (00:00~24:00 set by hour)
- Always/ Motion/ Alarm/ Smart/ Manual recording
- Auto recycle recording
- Auto record enabling
- Password authentication mechanism

### MECHANISM PROTECTION

- Selectable functions to operate fan / stop recording automatically
- Automatic fan activation over 45°C
- Automatically stop HDD recording over 55°C

### PLAYBACK MODE:

- Video search by date/time/event
- Infinite event list for easy search
- Smart search function enables playback from initial motion event automatically

### FREE PLAYBACK APPLICATION SOFTWARE

- Playback and backup on any PC with Windows 2000/XP/Vista
- AVI export enables playback on Windows Media Player
- iEnhance video processing software for better video quality
- iStable(Video Stabilizer software) to avoid shaking impact on video
- Video segment selectable for repeating playback and backup
- Enables quick HDD to HDD backup

### I/O

- 4 Sensor inputs
- 1 Relay output controlling alarm, lock, light, or other devices

### BUNDLED ACCESSORIES

- Mounting brackets
- USB cable
- IR Remote controller

## 104-399 4ch Mobile Hybrid DVR

SPECIFICATIONS	
PART NUMBER	104-399
VIDEO COMPRESSION	MPEG-4
VIDEO IN/ VIDEO OUT	4/2
VIDEO OUTPUT	VGA x 1, BNC x 1
AUDIO IN/ AUDIO OUT	4/1
SENSOR IN/ RELAY OUT	4/1
DISPLAY FRAME RATE (NTSC/PAL)	120/100 fps
RECORDING FRAME RATE (NTSC/PAL)	CIF: 120/100 fps D1: 60/50 fps D1 Enhanced: 30/25 fps
BACKUP DEVICE	USB A-type x 1 (connect with USB mouse, storage), USB B-type x 1(connect with PC/NB)
NUMBER OF HDDS SUPPORTED	1 x removable 3.5" SATA HDD
RS485 CONNECTOR	Built-in RS485 connector for PTZ, Multi-DVR connection
POWER SOURCE	12~24V DC
OPERATING TEMPERATURE	5°C~45°C
REMOTE ACCESS	WebViewer, Remote Console, JavaViewer, CM3000/CM3000Gold
SOFTWARE SUPPORT	iStable(Video Stabilizer software), iEnhance(Video processing software for better video quality), USB Playback Console
BUNDLED ACCESSORIES	IR Remote control, Camera power line, Mounting brackets
DIMENSIONS (WXHxD)	258mm(W) x 80mm(H) x 200mm(D)
NET WEIGHT	2.2 kg

**SYDNEY** 02 8825 9222  
sales@ness.com.au

**MELBOURNE** 03 9875 6400  
nessmelb@ness.com.au

**BRISBANE** 07 3399 4910  
nessbris@ness.com.au

**PERTH** 08 9328 2511  
nessper@ness.com.au

**ADELAIDE** 08 8152 0000  
adelaide@ness.com.au

**NFS (NZ)** 09 580 1576  
sales@nfs.co.nz



**CCTV Products**

[www.ness.com.au](http://www.ness.com.au)

