

# Compact 4-channel mobile DVR: Series EMRX 1000

**ernitec**

## Description

The Series EMRX 1000 is an extremely compact embedded (non-PC) stand-alone DVR, for recording of up to four cameras and one audio channel.

The unit is designed for mobile applications and is very tolerant towards vibrations and shock. Power consumption is low, and the unit is housed in a cabinet with dustproof filter. No cooling fans are required, making the unit virtually silent.

The unit is based on Linux operating system, uses MJPEG video compression allowing a very high picture quality, which, in combination with the 25 fps recording speed, will allow for almost DVD-quality live recording of one camera.



*Series EMRX*

## Applications

- **Mobile**; eg. in police cars, fire trucks, cash transport cars, busses, and trains.
- **Outdoor**; eg. in railway crossings, and parking lots.
- **Covert**; eg. at ATM machines, kiosks, etc..

For easy mounting a special cabinet is available.

## Main Features

- 4 Cameras + 1 Audio
- 40 GB or 80 GB HDD
- Compact, Silent, Robust and Low-Power.
- Resolution up to 720 x 288 (>450 TVL)
- 25 fps max.
- High Quality MJPEG compression
- Alarm In- & Outputs
- Back-up to PC via USB or to CF/SD memory cards
- Access via Ethernet
- Easy-to-Use On Screen Display (OSD) Setup
- Extremely robust and operates in up to 65°C environmental temperature

# Specifications

Type	EMRX 1040-4 / EMRX 1080-4
Video Inputs / Outputs	4 in / 1 out composite video, BNC connectors
Audio Inputs / Outputs	1 in / 1 out, RCA connectors
Resolution	720 x 288, 360 x 288
Recording speed	1-25 fps
Compression, Video	MJPEG, 4 selectable quality levels
Compression, Audio	G.726
Recording modes	Normal, Event, Schedule
Search modes	Time, Event
Alarm inputs/outputs	4 in / 2 out
HDD	40 GB / 80 GB (2.5" IDE-type)
Backup	USB 2.0 or CF/SD card
Remote access	Ethernet 100base-T (RJ45)
<b>Power supply</b>	
Voltage	12 VDC (mains adapter included)
Power consumption	6 W typ.
<b>Physical Characteristics</b>	
Housing	Fan less, Dustproof filter
Size	210 (W), 145 (D), 43 (H) mm
Weight	1 kg
<b>Environment</b>	
Operating temperature	-20 to +65°C
Vibration test (operation)	1.0 mm p-p @ 5-22 Hz; 9.8 m/s <sup>2</sup> (1G) @ 22-500 Hz
Shock test (operation)	980 m/s <sup>2</sup> (100G) @ 11 ms, half-sine wave 2450 m/s <sup>2</sup> (250G) @ 2 ms, half-sine wave

# Order Information

Model Name	Order No.	Description
EMRX1040-4EP	0063-01501	4 channel DVR with HD of 40GB / w Audio
EMRX1080-4EP	0063-01502	4 channel DVR with HD of 80GB / w Audio



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