

# MNVR4104

4 Channels POE 1 HDD Mobile Video Recorder



- Support 4 channels POE IP cameras input
- Support H.265/smart H.265 video compression
- Support 4 channels 4MP realtime recording
- VGA, TV, HDMI simultaneous video output
- Support 1 HDD, 3 USB2.0
- Aviation connectors adopted
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS



## System Overview

MNVR4104 is the new generation of mobile video recorder, it uses H.265 technology and the advantages are lowering the transmission bandwidth and saving the storage. It can support 4MP high-definition real-time recording, real-time vehicle location tracking and monitoring. It can upload GPS and other information to VMS via wireless network such as 3G/4G/Wi-Fi. It has already passed EN50155/ISO16750 to meet the requirements of mobile use. It can be used in many kinds of solutions for different applications.

## Functions

### Anti-vibration

Using shock-absorbing material and structure, the new designed hard disk box can cope with varying degrees of vibration, keeping the system work normally all the time.

### Wide range of power supply

As the voltage output of vehicle battery changes during driving, the wide range of power supply can protect the device.

### 3G/4G/WIFI

Embedded with 3G/4G/WIFI module, the device can register into a public network to connect with VMS, and can send all the information(video/audio/alarm/gps) through wireless network.

### GPS

Embedded GPS module can receive location information and upload to VMS. Even when the device is offline, it can upload the information after it's online again and the vehicle can be tracked on the electric map of VMS.

### Multiple ports

With kinds of ports, like CAN, RS232, RS485, I/O, the video recorder can connect with various of accessories, such as card reader, fuel sensor, panic button and so on, so that the video, audio, alarm and location information can be uploaded to VMS.

## Technical Specification

### System

Main Processor	Embedded microprocessor
Operating System	Embedded LINUX

### Video and audio

IP Camera Input	4 channels
Two-way talk	1 channel Input, 1 channel Output

### Display

Interface	1VGA, 2TV,1 HDMI
Resolution	800×600
Display Split	1/4
Privacy Masking	4 rectangular zones (each camera)
OSD	Channel name, time, GPS, license No.

### Recording

Video Compression	H.265/smart H.265 /H.264/smart H.264
Audio Compression	G.711A/G.711U/PCM
Resolution	4 ch@4MP realtime recording
Record Mode	Manual, Schedule(Regular(Continuous), MD, Alarm), Stop
Record Interval	1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec

### Video Detection and Alarm

Trigger Events	Recording, PTZ, Tour, Alarm, Email, FTP, Buzzer & Screen tips
Video Detection	Motion Detection, MD Zones:396(PAL:22×18,NT SC:22×15), Video Loss & Tampering
Alarm input	9 channels,Alarm1-8 are local alarm input, Alarm 9 is pulse input.
Alarm Output	2 channels,1 relay out, 1 Controllable 12V out

### Playback and Backup

Playback	1 channel
Search Mode	Time/Date, Alarm, Motion Detection & Exact search (accurate to second)
Playback Function	Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom
Backup Mode	USB Device/Network

### Storage

Internal HDD	1 HDD
SD card	1 SD card, Up to 256 GB

## Network

Ethernet	RJ-45 Port (10/100Mbps)
Wireless Network	Built-in 3G/4G/Wi-Fi module(optional)
GPS	Built-in high accurate GPS module(optional)
Network Function	TCP/IP, UDP, DHCP, DDNS, FTP, Email, Alarm Server
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android

## Auxiliary Interface

USB	3 USB 2.0
RS232	3 Ports
RS485	2 Ports
Heater	Optional

## Electrical

Power Supply	DC 6V~36V
Power Consumption	<10.2W (Without HDD)

## Environmental

Operating Temperature	-30°C (with heater)~ +70°C (-22°F ~ +158°F)
Operating Humidity	10 ~ 90% RH

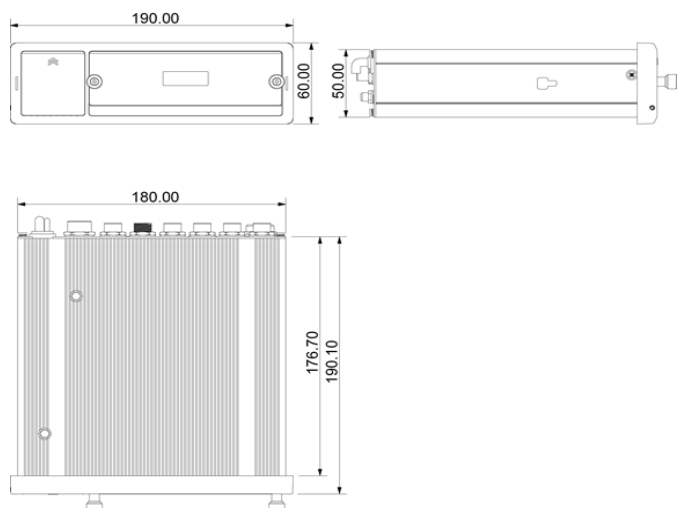
## Construction

Dimensions	180mm×190mm×50mm (7.0" x 8.7" x 2.0")
Net Weight(without HDD)	1.92Kg(4.23 lb)
Gross Weight	2.93Kg (6.46 lb)

## Certifications

CE	FCC
EN50155	ISO7637-2
ISO16750	BIS
E-mark	EN45545-2

## Dimensions (mm)



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