



VN-MNVR4CH

4 Channel POE H.265 1 HDD/SSD AI Mobile Video Recorder



System Overview

It is the new generation of AI mobile video recorder which supports intelligent functions, it uses H.265 technology and the advantages are lowering the transmission bandwidth and saving the storage. It can support 5MP 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 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.

4G/Wi-Fi

Embedded with 4G/Wi-Fi 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 E-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.

Features:

- Supports 4-ch PoE IP cameras input
- Supports H.265/smart H.265 video compression
- Supports 1 HDD/SSD and 1 SD card
- Supports DSM/Face Recognition/ANPR
- RJ45/M12 connectors optional
- Support 4G transmission with 4G SIM card
- Support audio talk

Technical Specification

Video and Audio

IP Camera Input	4-ch cameras connected via PoE interfaces Total output power: 36 W Max. output power of a single port: 25.4 W
Video Compression	H.265/smart H.265/H.264/smart H.264
Encoding Capacity	1080P/720P/960H/D1/CIF
Dual-stream	Support (up to D1 encoding for sub stream)
Video Frame Rate	PAL: 1 to 25 fps; NTSC: 1 to 30 fps
Video Output	1-ch CVBS; 1-ch VGA; 1-ch HDMI Output resolution: 800×600/1280×1024
Display Display	1/4
Audio Compression	G.711A/G.711U/PCM

Network

Band	LTE-FDD: B1/3/5/7/8/20 LTE-TDD: B38/40/41 WCDMA: B1/5/8 GSM/EDGE: B3/8	
Tx Power	Frequency Bands	Max. Tx Power
	GSM850/EGSM900	33 dBm ±2 dB
	DCS1800/PCS1900	30 dBm ±2 dB
	WCDMA bands	23 dBm ±2 dB
	LTE bands	23 dBm ±2 dB

Wi-Fi Frequency	2.4 GHz
Wi-Fi Protocol	Wi-Fi 802.11 b/g/n
Interoperability	ONVIF (Profile S/Profile G/Profile T)

AI

DSM	Supports drowsy driving, distracted driving, calling, no driver, wearing IR blocking sunglasses, smoking, lens tampering and unbelted alarms.
Face Recognition	Supports face attribute detection and face comparison.
ANPR	Supports recognition of license plate, vehicle color and vehicle brand.

Recording Playback

Recording Priority	Manual recording > alarm recording > motion detection recording > Timed recording
Recording Playback	1/4 channels
Backup	HDD/SSD, USB flash drive and network backup

Storage

HDD/SSD	with 1 × 2.5-inch 1TB SSD
Heat Dissipation	Built-in fan cooling
SD card	1 (up to 256 GB)

Alarm

General Alarm	Motion detection, video loss, video tampering, local alarm, camera offline
Abnormal Alarm	No HDD, HDD error, insufficient capacity, illegal login, battery low voltage, high temperature, rollover, collision, over speed, low speed, rapid turn, rapid speedup, sharp brake, network security exception, ACC off
Alarm Linkage	Log, record, snapshot, tour, buzzer, email, alarm output

Sensor

Gyroscope	Supports event detection and alarm such as rollover, collision, rapid speedup/slowdown/turn.
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External Port

Alarm Input	9 channels
Alarm Output	2 channels
Audio Talk	Support
RS-232	4
RS-485	2
CAN	1
USB	Front panel: 2 × USB 2.0 Rear panel: 1 × USB 2.0

Network Interface	1 × 10M/100M RJ45
Satellite Positioning	GPS/GLONASS

General

Power Supply	6-36 VDC
Power Consumption	11.1 W (without peripheral) Low power consumption: < 0.1W
Gross Weight	2.93 kg (6.50 lb) (with packages)
Product Dimensions	180 mm × 190 mm × 50 mm (7.0" × 8.7" × 2.0")
Packaging Dimensions	308 mm × 293 mm × 123 mm (12.1" × 11.5" × 4.8")
Operating Temperature	−30 °C to +70°C (−22 °F to +158 °F)
Operating Humidity	10% – 90%
Operating Altitude	5000 m
Installation	Embedded or bracket installation
Accessories	1x power cable, 1x 7-inch 1024P × 600P monitor, 1x microphone, 1x alarm button and other necessary accessories