

# DHI-MNVR8104-GFWI

## 6 Channels H.265 1 HDD/SSD AI Mobile Video Recorder



- Support 4-ch POE IP cameras and 2-ch analog cameras input
- Supports H.264/H.265 video compression
- Supports DSM/ADAS/ANPR/Face Recognition
- VGA, HDMI simultaneous video output
- Supports one pluggable 2.5" HDD/SSD, adopting anti-vibration design
- Built-in GPS, 4G and Wi-Fi modules
- RJ45/M12 connectors optional
- Support 6-36V DC wide-range power input

### System Overview

Mobile AI series products are equipped with the most advanced AI technologies, it can provide higher flexibility and accuracy on people and vehicles' recognition. With the help of deep learning algorithms, it is possible to offer various advanced applications such as DSM, ADAS, ANPR, Face Recognition, etc., which really means a lot to our end-users.

### 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) via 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 network recovered and the vehicle can be tracked on the E-map of VMS.

#### Multiple ports

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

### Technical Specification

#### Video and Audio

Video Input	6 (2-ch analog + 4-ch PoE IPC)
Video Compression	H.265/smart H.265/H.264/smart H.264
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 VGA; 1-ch HDMI; 1 × CVBS (transfer via EXTEND port) Output resolution: 800×600/1280×1024
Multi-screen Display	1/4/6 split screens
Audio Compression	G711A/G711U/G726/PCM
Audio Output	3 channels
Audio Sampling	8KHz, 16Bit

#### Network

	Eurasian Version	Latin American Version
Band	LTE-FDD: B1/3/5/7/8/20	LTE-FDD: B1/2 /3/4/5/7/8/28
	LTE-TDD: B38/40/41	LTE-TDD: B40
	WCDMA: B1/5/8	WCDMA: B1/2/4/5/8
	GSM/EDGE: B3/8	GSM/EDGE: B2/3/5/8
Tx Power	<b>Frequency Bands</b>	<b>Max. Tx Power</b>
	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	802.11 b/g/n	

**AI**

DSM	Support drowsy driving, distracted driving, calling, no driver, wearing IR blocking sunglasses, smoking, lens tampering, and unbelted alarms.
ADAS	Support Lane Departure Warning, Forward Collision Warning and Headway Monitoring Warning.
ANPR	Support recognition of license plate, vehicle color and vehicle brand.
Face Recognition	Supports face attribute detection and face comparison.

**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	1 × 2.5-inch HDD/SSD (SATA), up to 2 TB
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 Interface**

Alarm Input	9 channels (Alarm 1-8 are local alarm input, Alarm 9 is pulse input)
Alarm Output	2 channels (1 relay out, 1 controllable 12 V 0.75A out)
Audio Talk	Support
RS-232	3
RS-485	1
CAN	1
USB Port	Front panel: 2 × USB 3.0 Rear panel: 1 × USB 2.0 from EXTEND port
Network Port	1 × 10M/100M RJ45
Satellite Positioning	GPS/GLONASS

**General**

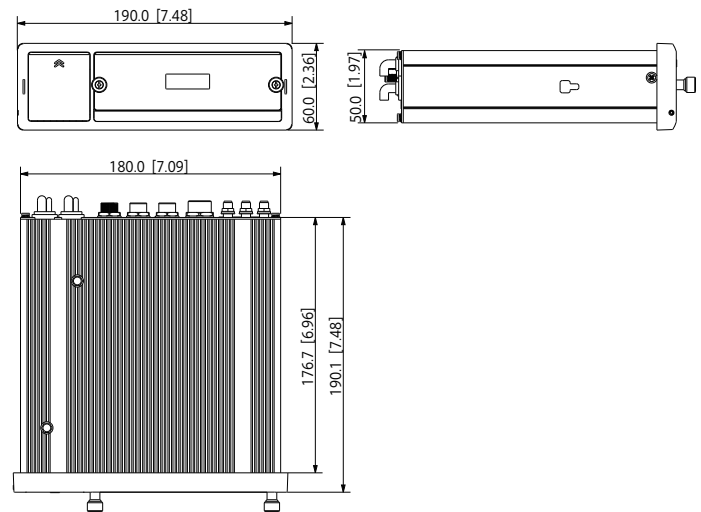
Power Supply	6–36 VDC
Power Consumption	≤12W (without any peripheral)

Operating Temperature	-30°C to +70°C
Operating Humidity	10%–90%
Dimension	180 mm × 190 mm × 50 mm (7.0" × 8.7" × 2.0")
Weight	Net Weight: 2.0kg Gross Weight: 3.1kg
Installation	Embedded or bracket installation

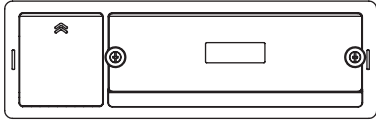
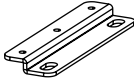

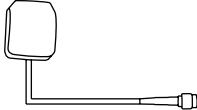

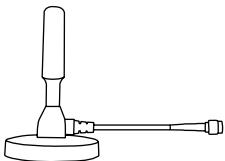


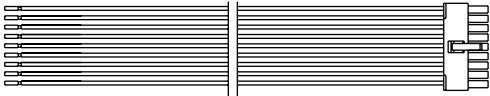
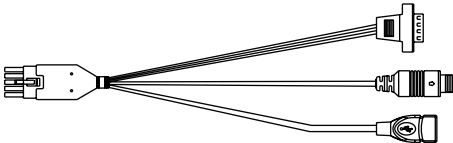
**Certifications**

CE/FCC/E-mark/EN50155

**Dimensions (mm[inch])**



**Packing List**

Figure	Name	Quantity
	Device	1
	Lug	2
	Key	2
	GPS antenna	1
	4G antenna	1
	Wi-Fi antenna	1
	Accessories bag	1
	Network port waterproof connector	1
	Alarm signal connector	1
	Extend port connector	1

**Peripheral Connection**

Here we take example of RJ45 series.

