

# DHI-DAE-MXVR8212-GFWI

## 12 Channels H.265 2 HDDs Mobile Video Recorder



- Supports 8-ch analog HD cameras and 4-ch POE IP cameras.
- Supports H.264/H.265 video compression.
- Supports DSM/ADAS/HOD/BSD/ANPR/Face Recognition.
- Supports two pluggable 2.5" HDDs/SSDs, adopting anti-vibration design.
- Supports CVBS/VGA/coaxial HD output.
- Built-in GPS, 4G and Wi-Fi modules.
- Supports 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, BSD, HOD, ANPR, Face Recognition, and Passenger Flow Counting, which really means a lot to our end-users.

### Functions

#### Multichannel Algorithms

Highly integrates intelligent algorithm function and supports ADAS, DSM, BSD, HOD, ANPR, Face Recognition, and Passenger Flow Counting.

#### Analog Audio

Supports analog audio interfaces and can connected third-party (AHD/CVBS) pickup cameras, making it convenient for customers to carry out project renovation.

#### Multiple Video Output Ports

Supports CVBS/VGA/coaxial HD output.

#### 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.

### Technical Specification

#### System

Main Processor	High-performance industrial embedded micro-controller
Operation System	Embedded LINUX
Operation Interface	WEB; Local GUI

#### Audio and Video

Channel Number	12 (8-ch analog camera + 4-ch IP camera)
Analog Camera Input	8-ch connected via 4-pin M12 aviation connector, adaptive HDCVI, AHD, TVI and CVBS access can be configured.
IP Camera Input	4-ch connected via PoE interfaces (RJ45 or 4-pin aviation connector optional)
Encoding Capacity	Main stream: 1080P/720P/960H/D1/CIF Sub stream: D1/CIF
Frame Rate	PAL: 1-25 fps NTSC: 1-30 fps
Dual-stream	Supported (up to D1 encoding for sub stream).
Video Output	1×VGA (M16 10-pin aviation connector) 1×CVBS (M12 4-pin aviation connector) 1×coaxial HD (M12 7-pin aviation connector)
Image Division	1/4/8/9/16 screen
OSD Overlay	Channel, time, GPS position, license plate
Video Compression	H.265/H.264
Audio Compression	G.711A/G.711U/PCM/G726
Audio Bitrate	64 Kbps

#### Playback

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

### Wireless Network

4G	Built-in 4G module, 1xSMA antenna
Wi-Fi	Built-in Wi-Fi module, 1x2.4 G Wi-Fi SMA antenna

### Storage

HDD/SSD	2x2.5" HDD/SSD (up to 2TB for each)
SD Card	1 (up to 512G)

### Sensor

Gyroscope	Built-in gyro, supports rollover, collision, sharp acceleration/decceleration/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 12V 0.75A out
Pickup	1, supports connecting to an external pickup, and the audio can be overlaid on the first analog channel
Voice Talk Input	Supported
RS-232	2
RS-485	1
USB Port	Front panel: 2 x USB 3.0 Rear panel: 1 x USB 2.0 integrated in EXTEND port
Network Port	Front panel: 1x100M/1000M RJ45 Rear panel: 4x100M RJ45/4-pin aviation port for IP camera access
Satellite Positioning	GPS & GLONASS, 1xSMA antenna
CAN	1

### AI

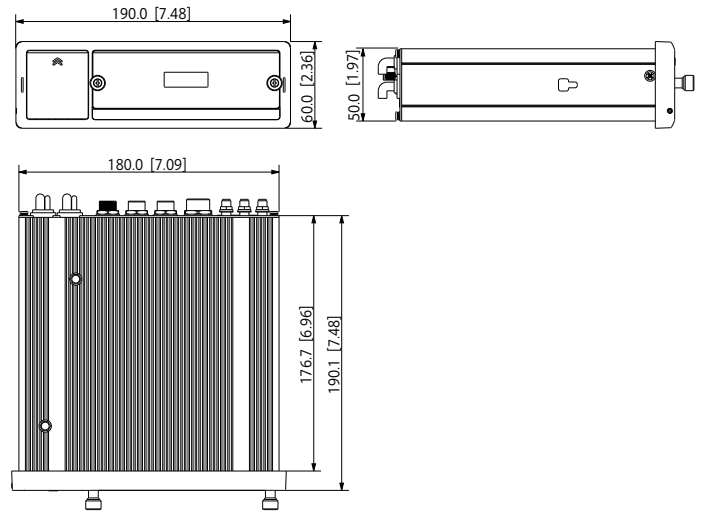
DSM	Supports drowsy driving, distracted driving, calling, no driver, wearing IR blocking sunglasses, smoking, lens tampering, and unbelted alarms.
ADAS	Supports Lane Departure Warning, Forward Collision Warning and Headway Monitoring Warning.
BSD	Supports human, motor vehicle, and non motor vehicle detection and warning.
HOD	Supports detection of hands off steering wheel, playing with phone, and unfasten seat belt.
ANPR	Supports recognition of license plate, vehicle color and vehicle brand.
Face Recognition	Supports max. 30,000 face images, 20 face databases.

### General

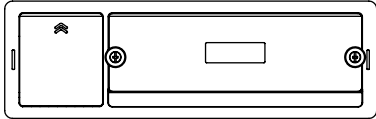
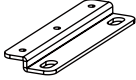

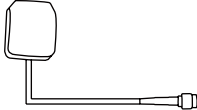

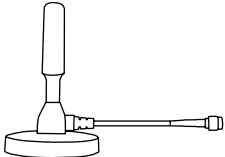


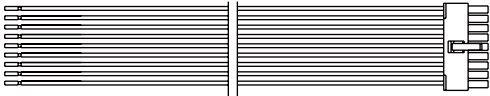
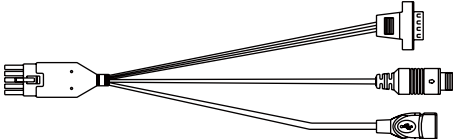
Power Supply	6–36V DC
Power Consumption	≤12W (without any peripheral) Standby: ≤0.1W Full load: ≤80W
Operating Temperature	-30°C to +70°C
Operating Humidity	10%–90%

Dimension	180 mm × 190 mm × 50 mm (7.0" × 8.7" × 2.0")
Weight	3.2kg (7.05 lb)
Installation	Embedded or bracket installation

### 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**

