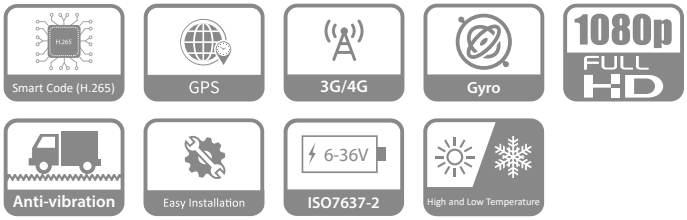
DHI-MXVR1004-GFI

4 Channels H.265 Penta-brid AI Mobile Video Recorder

- Supports 4-ch analog cameras and 1-ch IP camera input
- Supports H.265/smart H.265 video compression
- Supports 2 SD cards and 1 M.2 SSD
- Supports DSM/ADAS/BSD/Face recognition
- Multiple network monitoring: Web viewer, Mobile Center & DMSS



System Overview

DHI-MXVR1004-GFI 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 saing the storage.It can support 1080P high-definition real-time recording, real-time vehicle location tracking and monitoring. All the information such as GPS and video can be uploaded via wireless network: 4G.

It has already passed EN50155/ISO16750 in order to meet the requirements of mobile use.This device can be used in 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

Embedded with 3G/4G 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 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

Video and Audio

Analog Camera Input	4 HDCVI/AHD/TVI/CVBS cameras
IP Camera Input	1 IP camera
Encoding Capacity	1080P/720P/960H/D1/CIF
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 – 25 fps NTSC: 1 – 30 fps
Video Output	1-ch CVBS Output resolution: 800×600
Display Split	1/4/6
Audio Compression	G.711A/G.711U/PCM

Network

	Eurasian Version	Latin American Version
Band	LTE-FDD: B1/3/5/7/8/20 LTE-TDD: B38/40/41 WCDMA: B1/5/8 GSM/EDGE: B3/8	LTE-FDD: B1/2 /3/4/5/7/8/28 LTE-TDD: B40 WCDMA: B1/2/4/5/8 GSM/EDGE: B2/3/5/8
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

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.
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	SD card, USB flash drive and network backup

Storage

SD card	2 (up to 256 GB for each)
SSD (M.2)	1 (up to 1 TB)

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.

External Interface

Alarm Input	7 channels (Alarm 1–6 are local alarm input, Alarm 7 is pulse input)
Alarm Output	2 channels (1 relay out, 1 controllable 12VDC 0.5A out)
Audio Talk	Support
Pickup	N/A
RS-232	1
RS-485	1
CAN	N/A
USB	Front panel: 1 × USB 2.0 Rear panel: 1 × USB 2.0 from EXTEND port
Network Port	1 × 10M/100M RJ45 (rear panel)
Satellite Positioning	GPS/GLONASS

General

Power Supply	6–36 VDC
Power Consumption	6.7W (without peripheral) Low power consumption: < 0.1W
Gross Weight	2.83 kg (6.24 lb) (with packages)
Product Dimensions	138 mm × 160 mm × 49 mm (5.4" × 6.3" × 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	Bracket
Certifications	CE/FCC/E-mark/EN50155

Dimensions (mm[inch])