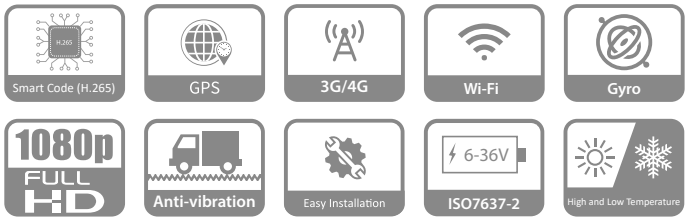
DHI-MXVR4104-GFWI

4 Channels H.265 1 HDD AI Mobile Video Recorder

- Supports penta-brid(HDCVI/AHD/TVI/CVBS/IP) video input
- Supports 4-ch analog cameras and 4-ch IP cameras input
- Supports H.265/smart H.265 video compression
- Supports one pluggable 2.5'' HDD/SSD, adopting anti-vibration design
- Supports DSM/ADAS/BSD
- Multiple network monitoring: Web viewer, Mobile Center & DMSS



System Overview

DHI-MXVR4104-GFWI 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 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/Wi-Fi.

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

System

Main Processor	High-performance industrial embedded micro-controller
Operation System	Embedded LINUX
Operation Interface	WEB, AV, VGA

Video and Audio

Analog Camera Input	4 HDCVI/AHD/TVI/CVBS cameras
IP Camera Input	4 IP cameras (extendable via PoE switch)
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 1-ch VGA Output resolution: 800×600/1280×1024
Display Split	1/4/8/9
OSD Overlay	Channel, time, GPS position, license plate
Image Quality Adjustment	Image quality adjustable across six levels

Compression Standard

Video Compression	H.265, smart H.265, H.264, smart H.264
Audio Compression	G.711A/G.711U/PCM

Network

Mobile Phone Access	iOS, Android
WiFi	Supports built-in 2.4 G Wi-Fi modules.
Browser	Google, PCAPP, IE9 or newer, Firefox

Update

Device Update	WEB, USB, remote platform, upgrade tool

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.

Recording Playback

Record Mode	Auto, Manual, motion detection, schedule, alarm Record alarm > alarm > motion detection > schedule
Recording Playback	1/4 channels
Backup	HDD/SSD, USB flash drive and network backup

Storage

HDD	1 × HDD/SSD (up to 2TB)
Heat Dissipation	Built-in fan cooling
SD card	1 × SD card (up to 256GB)

Alarm

General Alarm	Motion detection, video tampering and loss, local alarm, camera offline, manual alarm control, DSM, ADAS and BSD alarm
Abnormal Alarm	No HDD, HDD error, insufficient capacity, illegal login, ACC off, high temperature, rollover, battery low voltage, over speed, low speed, collision, tapid turn, rapid speedup, hard braking, low battery safety exception, network security exception
Alarm Linkage	Record, snapshot, local external alarm output, buzzer, log, screen prompt, tour

Sensor

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

External Interface

Alarm Input	9 channels (Alarm1–8 are local alarm input, Alarm 9 is pulse input)
Alarm Output	2 channels (1 relay out, 1 controllable 12VDC 0.5A out)
Audio Talk	Support
Pickup	1-ch, the audio will be overlaid on the first channel
RS-232	3
RS-485	1
USB	Front panel: 2 × USB 2.0 Rear panel: 1 × USB 2.0 from EXTEND port
Network Port	Front panel: 1 × 10M/100M RJ45 Rear panel: 1 × 10M/100M 6-pin aviation connector
Satellite Positioning	GPS/GLONASS
CAN	N/A

General

Power Supply	6–36V DC
Power Consumption	8.4 W (without peripheral) Low power consumption: < 0.1W
Gross Weight	2.83 KG (6.24 lb) (with packages)
Product Dimensions	1 DIN 180mm×190mm×50mm
Packaging Dimensions	308 mm × 293 mm × 123 mm (12.1’×11.5’×4.8’) (L × W × H)
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
Certifications	CE/FCC/E-mark/EN50155

Dimensions (mm[inch])