

# DHI-MXVR1004

4 Channels H.265 Penta-brid 2 SD Mobile Video Recorder



- Support penta-brid(HDCVI/AHD/TVI/CVBS/IP) video input
- Support H.265/smart H.265 video compression
- Support 4 channels 1080P preview
- Support 2 SD card
- Support face detection
- Aviation connectors adopted
- Multiple monitoring: Web viewer, CMS(DSS) & DMSS



## System Overview

DHI-MXVR1004 is the new generation of mobile video recorder, 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 and the face detection. All the information such as GPS and video can be uploaded via wireless network: 3G/4G/WIFI.

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.

### 3G/4G/WIFI

Embedded with 3G/4G/WIFI 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.system), so that the video, audio, alarm and location information can be uploaded to VMS.

## Technical Specification

### System

|                  |                         |
|------------------|-------------------------|
| Main Processor   | Embedded microprocessor |
| Operating System | Embedded LINUX          |

### Video and Audio

|              |   |
|--------------|---|
| Input        | 4 channels HDCVI/AHD/TVI/CVBS (Don't support audio in when connecting AHD/TVI/CVBS cameras) + 1 channel 4MP IPC |
| Two-way Talk | 1   |

### Display

|                 |                                      |
|-----------------|--------------------------------------|
| Interface       | 2 TV (1 aviation connector)          |
| Resolution      | 800×600                              |
| Display Split   | 1/4/6                                |
| Privacy Masking | 4 rectangular zones (each camera)    |
| OSD             | Channel name, time, GPS, license No. |

### Recording

|                   |  |
|-------------------|--|
| Video Compression | H.265/smart H.265 /H.264/smart H.264                                       |
| Audio Compression | G.711A/G.711U/PCM  |
| Resolution        | 4 ch@1080P realtime recording  |
| Record Mode       | Manual, Schedule(Regular(Continuous), MD, Alarm), Stop                     |
| Record Interval   | 1~120 min (default: 60 min), Pre-record: 1~30 sec, Post-record: 10~300 sec |

### Video Detection and Alarm

|                 |   |
|-----------------|---|
| Trigger Events  | Recording, PTZ, Tour, Alarm, Email, FTP, Buzzer & Screen tips                   |
| Video Detection | Motion Detection, MD Zones:396(PAL:22×18,NT SC:22×15), Video Loss & Tampering   |
| Alarm Input     | 7 channels, Alarm 1-Alarm 6 are the local alarm inputs. Alarm 7 is pulse input. |
| Alarm Output    | 2 channels, 1 relay out, 1 Controllable 12V out                                 |

### Playback and Backup

|                   |   |
|-------------------|---|
| Playback          | 1 channel   |
| Search Mode       | Time/Date, Alarm, Motion Detection & Exact search (accurate to second)  |
| Playback Function | Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, Digital zoom |
| Backup Mode       | USB Device/Network  |

### Storage

|         |                               |
|---------|-------------------------------|
| SD card | 2 SD cards, Up to 256 GB each |
|---------|-------------------------------|

## Network

|                  |   |
|------------------|---|
| Ethernet         | RJ-45 Port (10/100 Mbps)                          |
| Wireless Network | Built-in 3G/4G/Wi-Fi module(optional)             |
| GPS              | Built-in high accurate GPS module(optional)       |
| Network Function | TCP/IP, UDP, DHCP, DDNS, FTP, Email, Alarm Server |
| Max. User Access | 128 users   |
| Smart Phone      | iPhone, iPad, Android                             |

## Auxiliary Interface

|        |           |
|--------|-----------|
| USB    | 2 USB 2.0 |
| RS232  | 1 Port    |
| RS485  | 1 Port    |
| Heater | Optional  |

## Electrical

|                   |                        |
|-------------------|------------------------|
| Power Supply      | DC 6V~36V              |
| Power Consumption | 6.7W (Without SD card) |

## Environmental

|                       |                               |
|-----------------------|-------------------------------|
| Operating Temperature | -30°C~ +70°C (-22°F ~ +158°F) |
| Operating Humidity    | 10 ~ 90% RH                   |

## Construction

|                          |                                      |
|--------------------------|--------------------------------------|
| Dimensions               | 138mm×160mm×49mm(5.4" x 6.3" x 1.9") |
| Net Weight (without HDD) | 0.97Kg(2.13 lb)                      |
| Gross Weight             | 1.75Kg(3.86 lb)                      |

## Certifications

|          |           |
|----------|-----------|
| CE       | FCC       |
| EN50155  | ISO7637-2 |
| ISO16750 | BIS       |

## Dimensions (mm)

