DHI-MNVR8104-GFWI

4 Channels POE H.265 1 HDD Mobile Video Recorder

- Support 4 channels of POE IP cameras input and 2 channels of HDCVI input.
- Support H.265/smart H.265 video compression
- Support 4MP realtime recording
- Support face detection, license plate recognition, driving behavior detection of smoking, calling, yawning,and warning of cars hit
- VGA, HDMI simultaneous video output
- Support 1HDD, 2 USB3.0 ,1 USB2.0
- Adopt aviation connectors
- Multiple network monitoring: Web viewer, CMS(DSS/PSS) & DMSS

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 ADAS, DSM, Face Recognition, ANPR, 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

Wide range of power supply protects the video recorder when the voltage output of vehicle battery changes during driving.

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 it to VMS. Even when the device is offline, it can upload the information after network recovered 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 be connected to various of accessories, such as card reader, fuel sensor, panic button and so on.system. Then the video, audio, alarm and location information can be uploaded to VMS.

Technical Specification

System

Main Processor	Embedded microprocessor
Operating System	Embedded LINUX

Audio

Audio Compression	G711A, G711U, G726, PCM
Audio Output	2 channels
Audio Sampling	8KHz, 16Bit

Image

Image Compression	H.265+/H.265/H.264+/H.264
Resolution	1080p (1920×1080) for all channels

Video

Video Input	4 channels of POE RJ-45 ports; 2 channels of HDCVI analog video signal input (DSM/ADAS)
Video Output	VGA, M16 aviation connector, HDMI
Video Frame Rate	PAL: 1fps–25fps NTSC: 1fps–30fps
Multi-screen Display	1 window, 4 windows, 6 windows
Tour	Timed auto control, dynamic surveillance and alarm.
OSD	Channel, time, license plate, GPS
Color	Set tone, brightness, contrast, saturation and gains for each channel's video image.

Alarm

Alarm Input	9 channels, Alarm1–8 are local alarm input, Alarm 9 is pulse input.
Alarm Output	2 channels, 1 relay out, 1 Controllable 12V 0.75A out
Linkage	Snapshot, tour, recording, buzzing and email.

Hard Disk

Quantity & Storage Space	1 SD card with max storage capacity of 512G, 1 internal HDD
Work Management	Non-working hard disks fall asleep, to help to reduce power consumption and dissipate heat.

Function

Recording Priority	Manual recording > alarm recording > motion detection recording > Timed recording
Recording Resolution	1080P for all channels
Recording Lasting Time	1min–60 min (default: 60 min), pre-record: 1 sec–30 sec, post-record: 10 sec–300 sec
HDD full	Stop Record;Overwrite
Recording Searching	Time/Date, Alarm, MD and Exact Search (accurate to second)
Recording Playback Speed	Several playback rates of slow playback or fast playback; playing video backwards; manual single frame playback
Recording Playback Switching	When playing a recording, with one click, switch to recording in another channel whose play time will the same one.
Playback	1 channel
Digital Zoom	When playing recording in a full screen, select a region on the screen to enlarge it.
Motion Detection	396 motion detection regions for each channel; different sensitivity levels selectable for a region.
Video Loss	Yes
Vehicle Event Detection	Rolling over and hitting detection
Storage Capacity Extension	Extends storage capacity by USB flash drive or mobile hard disk.
User Management	Management of users of different roles
User Password Security	Yes
Program Upgrade	Upgrade by web, MHVR client or other tools; by USB flash drive

Port

SD Card	1, with max 512G storage capacity
USB Port	2 USB 3.0 ports, 1 USB 2.0 port
Network Port	1, RJ45 10M/100M self-adaptive Ethernet port
SATA	1
RS–485	1
RS–232	2
CAN	1
VGA	1
HDMI	1
Wi-Fi	Optional
3G/4G	Optional
GPS	Optional

AI

Face Comparision	Max 30,000 face images, 20 face databases
Driver Status Monitoring	DSM: Smoking, calling, yawning, looking around unfocused, being absent ADAS: Warning of cars hit; detection of lane departure
Vehicle Recognition	Recognition of license plate, vehicle brand.
Performance	Support max 2 intelligent rules for channels at the same time

Others

Power Supply	6V DC–36V DC
Power Consumption	≤12W (only for MHVR and without any peripheral)
Operating Temperature	-30°C to +70°C; 10%–90%
Dimension	180 mm × 190 mm × 50 mm (7.0" × 8.7" × 2.0")
Gross Weight (Package Box Contained)	2.1kg

Certifications

CE	FCC
EN50155	ISO7637-2
ISO16750	Yes

Dimensions (mm[inch])