

DVR-704MSG-V5

4 Channel Mobile HDCVI Video Recorder



- Support AVS/Analog Video input
- H.264 dual-stream video compression
- Support 2 ch 1080P+2 ch 720P realtime recording
- VGA/TV simultaneous video output
- Support 1 SATA HDD, 2 USB2.0
- Aviation connectors adopted
- Multiple monitoring: Web viewer, CMS(DSS) & DMSS

System Overview

The DVR-704MSG is the first mobile video recorder which adopts the HD AVS technology, it can support 1080P high-definition real-time recording, it can support real-time vehicle location tracking and monitoring, and all the information such as GPS and video can be uploaded by wireless network: 3G/4G/WIFI. This device can also support to connect various accessories, such as card reader, fuel sensor, emergency button. It has already pass EN50155/ISO16750 in order to meet the requirements of mobile use. This device can be used in kinds of solutions for different applications, such as city bus/school bus/taxi/police car/train/truck.

Anti-vibration

Using a shock-absorbing material and a newly-designed structure, the hard disk enclosure can withstand varying degrees of vibration, allowing normal operation in the most extreme mobile applications.

Wide Voltage Range

The mobile NVR accepts a wide voltage range (6 VDC to 36 VDC) to accommodate the voltage output from a vehicle battery. The voltage range protects the NVR from fluctuating power output from the vehicle battery during operation.

3G

Embedded with an optional 3G module, the mobile NVR can register into a public network, connect with a VMS, and transmit video, audio, alarm, and GPS information through a wireless network.

GPS

The mobile NVR offers an optional embedded GPS module that receives location information and uploads the vehicle's position to a VMS. The VMS can plot the position on a map so the position and the path of vehicle can be monitored.

Multiple ports

The mobile NVR supports CAN, RS232, RS485, and I/O ports to connect the recorder to accessories, such as card readers, fuel sensors, and emergency buttons. This information, along with video, audio, alarm, and location information can be uploaded to a VMS.

Technical Specification

System

Main Processor	Embedded microprocessor
Operating System	Embedded LINUX

Video

Input	4 Channel (Don't support audio in when connecting analog cameras)
-------	-------------------------------------------------------------------

Audio

Input	4-ch aviation input 200mV~2000mV 10kΩ.
Output	1-ch aviation output 200mV~3000mV 5kΩ.
Two-way Talk	1 Channel Input, 1 Channel Output

Display

Interface	1VGA, 2TV
Resolution	1920×1080, 1280×1024, 1280×720, 1024×768, 800×600
Display Split	1/4
Privacy Masking	4 rectangular zones (each camera)
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

Recording

Video/Audio Compression	H.264/G.711
Image Resolution	2ch@1080P+2ch@720P(1~25/30fps)
Bit Rate	48~8192Kb/s
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 & Alarm

Trigger Events	Recording, PTZ, Tour, Alarm, Email, FTP, Buzzer & Screen tips
Video Detection	Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank
Alarm Input	7 channels, Alarm 1-6 is the local alarm input, Alarm 7 is pulse input.
Relay Output	2 channels

Playback & Backup

Sync Playback	1
Search Mode	Time/Date, Alarm, Motion Detection & Exact search (accurate to second)
Playback Functions	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

Network

Ethernet	1 RJ-45 Port (10/100/1000Mbps)
Wireless Network	Built-in 3G/4G/Wi-Fi module(optional)
GPS	Built-in high accurate GPS module(optional)
Network Functions	TCP/IP, UDP, DHCP, DDNS, FTP, Email, Alarm Server
Max. User Access	128 users
Smart Phone	Android, iOS, iPhone

Storage

Internal HDD	1 SATA Port, Up to 2 TB capacity
HDD Mode	Single
SD Card	1 SD card, Up to 128 GB

Auxiliary Interface

USB	2 Ports (1 rear), USB 2.0
RS232	1 Port, for PC Communication and Keyboard
RS485	1 Port, for PTZ Control
CAN	Support
Heater	Optional

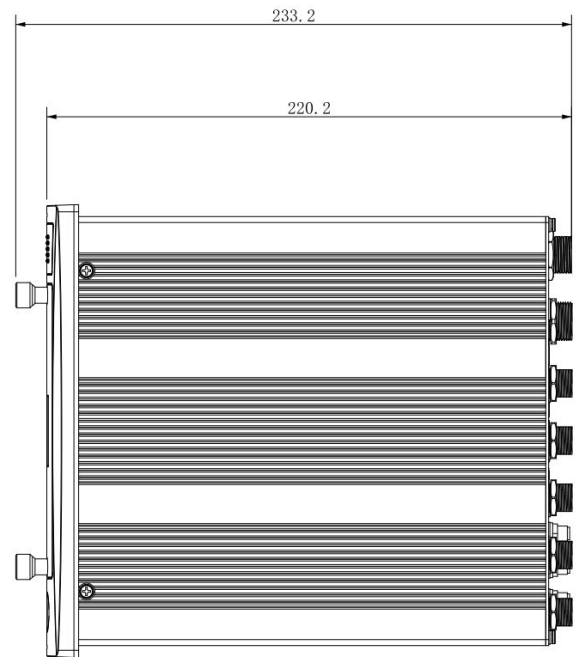
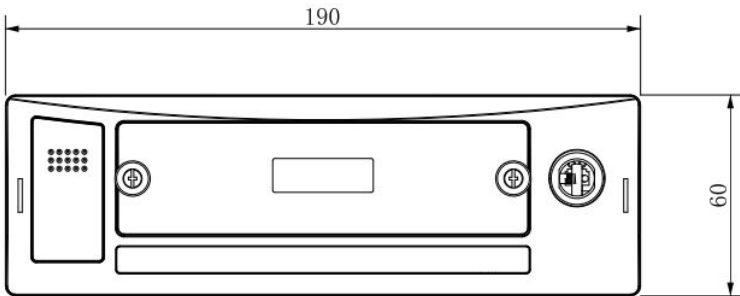
General

Power Supply	DC 6V~36V
Power Consumption	<15W (Without HDD)
Working Environment	-30°C (with heater)~ +60°C (+14°F ~ +131°F)
Dimensions (W×D×H)	178mm×220mm×50mm (7.0" x 8.7" x 2.0")
Weight	2.1kg (4.6 lb) (without HDD)

Certifications

Certifications	CE: EN50155 FCC: ISO16750
----------------	------------------------------

Dimensions (mm/in)



Panels

