

TDMCVR4

4 Channels H.265 1 HDD 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 realtime recording
- VGA/TV simultaneous video output
- Support 1 HDD and 1 SD card
- Support face detection
- Aviation connectors adopted
- Network monitoring: Toughdog Viewer Professional, TD-SMS



System Overview

TDMCVR4 is the new generation of mobile video recorder, it uses H.265 technology with the advantages of 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 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 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.

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, 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 cameras) + 4 channel 4MP IPC
Two-way talk	1 channel Input, 1 channel Output

Display

Interface	1 VGA, 2 TV
Resolution	800×600
Display Split	1/4/8/9
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	9 channels,Alarm1-8 are local alarm input, Alarm 9 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

Internal HDD	1 HDD
SD card	1 SD card, Up to 256 GB

Network

Ethernet	1 RJ-45 Port (10/100Mbps) and 1 6-pin aviation connector
Wireless Network	Built-in 3G/4G/Wi-Fi module(optional)
GPS	Built-in high accurate GPS module(optional)
Network Function	TCP/IP, UDP, DHCP, FTP, Email, Alarm Server
Max. User Access	128 users
Smart Phone	iPhone, iPad, Android

Auxiliary Interface

USB	3 USB 2.0
RS232	2 Ports
RS485	1 Port
Heater	Optional

Electrical

Power Supply	DC 6V~36V
Power Consumption	<8.4W (Without HDD)

Environmental

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

Construction

Dimensions	180mm×190mm×50mm (7.0" x 8.7" x 2.0")
Net Weight(without HDD)	1.92Kg (4.23 lb) (without HDD)
Gross Weight	2.83Kg (6.24 lb)

Certifications

CE	FCC
EN50155	ISO7637-2
ISO16750	BIS

Dimensions (mm)

