

DH-MCVR5104 4 Channel Mobile HDCVI Video Recorder



- Support HDCVI/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

MCVR5104 is the first mobile video recorder which adopts the HDCVI 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 accessorie, 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.

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, and the vehicle can be tracked on the electric map of VMS.

Multiple ports

With kinds of ports, like CAN, 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

Mobile HDCVI Series | DH-MCVR5104

Technical Specification

Internal HDD

SD card

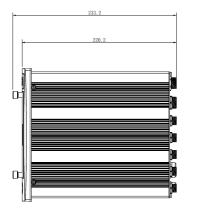
| System | | |
|--|--|--|
| Main Processor | Embedded microprocessor | |
| Operating System | Embedded LINUX | |
| Audio and Video | | |
| Input | 4 Channel (Don't support audio in when connecting analog cameras) | |
| Two-way Talk | 1 Channel Input, 1 Channel Output, RCA | |
| Display | | |
| Interface | 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 | |
| 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 and Ala | | |
| Video Detection and Ala Trigger Events | | |
| | rm Recording, PTZ, Tour, Alarm, Email, FTP, Buzzer & | |
| Trigger Events | rM Recording, PTZ, Tour, Alarm, Email, FTP, Buzzer & Screen tips Motion Detection, MD Zones: 396(22×18), Video | |
| Trigger Events Video Detection | rm Recording, PTZ, Tour, Alarm, Email, FTP, Buzzer & Screen tips Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank | |
| Trigger Events Video Detection Alarm input | rm Recording, PTZ, Tour, Alarm, Email, FTP, Buzzer & Screen tips Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank 7 channel | |
| Trigger Events Video Detection Alarm input Relay Output | rm Recording, PTZ, Tour, Alarm, Email, FTP, Buzzer & Screen tips Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank 7 channel | |
| Trigger Events Video Detection Alarm input Relay Output Playback and Backup | Recording, PTZ, Tour, Alarm, Email, FTP, Buzzer & Screen tips Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank 7 channel 2 channel | |
| Trigger Events Video Detection Alarm input Relay Output Playback and Backup Playback | Recording, PTZ, Tour, Alarm, Email, FTP, Buzzer & Screen tips Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank 7 channel 2 channel 1 Time/Date, Alarm, Motion Detection & Exact search | |
| Trigger EventsVideo DetectionAlarm inputRelay OutputPlayback and BackupPlaybackSearch Mode | Recording, PTZ, Tour, Alarm, Email, FTP, Buzzer & Screen tips Motion Detection, MD Zones: 396(22×18), Video Loss & Camera Blank 7 channel 2 channel 1 1 Time/Date, Alarm, Motion Detection & Exact search (accurate to second) Play, Pause, Stop, Rewind, Fast play, Slow play, Next file, Previous file, Next camera, Previous camera, Full screen, Repeat, Shuffle, Backup selection, | |

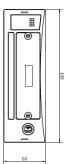
1 SATA Ports, Up to 2 TB capacity

1 SD card, Up to 128 GB

| EthernetR-45 Port (10/100Mbps)Wireless NetworkGult-in 3G/4G/Wi-Fi module(optional)GPSBuilt-in high accurate GPS module(optional)Network FunctionTCP/IP, UDP, DHCP, DDNS, FTP, Email, Alarm ServerMax. User AccessI alone, IPad, AndroidAuxiliary InterfaceVorta (Iracr), USB 2.0VSB2Ports (Iracr), USB 2.0R54351Port, for PTC Communication and KeyboardR54851Port, for PTZ ControlR6407OptionalFlectricalVorta (Iracr), USB 2.0Power SongupyOc 6V~36VPower ConsumptionC16V (Vithout HDD)Porter Consumption-05C (Vith Iracr), POW RENOptional ControlSitter (Iracr), USB 2.0Porter Consumption-05C (Vithout HDD)Porter Consumption-05C (Vithout HDD)Construction | Network | |
|---|----------------------|---|
| GPSAnticipant of the product of the produ | Ethernet | RJ-45 Port (10/100Mbps) |
| Network FunctionTCP/IP, UDP, DHCP, DDNS, FTP, Email, Alarm ServerMax. User Access128 usersSmart PhoneiPhone, iPad, AndroidAuxiliary Interface2 Ports (1 rear), USB 2.0USB2 Ports for PC Communication and KeyboardRs2321 Port, for PTZ ControlRs4851 Port, for PTZ ControlCANSupportHeaterOptionalPower SupplyDC 6V~36VPower Consumption-StoY (Without HDD)Enctrical-Portaring Conditions-0°C (with heater)~+60°C (14°F~+131°F)Storage Conditions-0°C ~+70°C (-4°F~+158°F), 0~90% RHConstruction-Finensions128 (Michout HDD)Curtifications-Certifications-Fit-Power Supply128 (Michout HDD)Construction-Fit-Pinensions-Pinensions-Fit-Pinensions-Fit-Pinensions-Matter-Pinensions-Pinensions-Pinensions-Pinensions-Pinensions-Pinensions-Pinensions-Pinensions-Pinensions-Pinensions-Pinensions-Pinensions-Pinensions-Pinensions-Pinensions-Pinensions- | Wireless Network | Built-in 3G/4G/Wi-Fi module(optional) |
| Nax. User Access128 usersSmart PhoneiPhone, iPad, AndroidAuxiliary InterfaceUSB2 Ports (1 rear), USB 2.0RS2321 Port, for PC Communication and KeyboardRS4851 Port, for PTZ ControlCANSupportHeaterOptionalFlectricalVPower SupplyDC 6V~36VPower Consumption-30°C (with heater)~+60°C (+14°F~+131°F)Storage Conditions-30°C (-4°F~+158°F), 0~90% RHConstruction128(AL6 Ib) (without HDD)Pimensions128(AL6 Ib) (without HDD)Certifications-Fit Weight2.1kg (4.6 Ib) (without HDD)CertificationsFCC | GPS | Built-in high accurate GPS module(optional) |
| Smart PhoneiPhone, iPad, AndroidAuxiliary InterfaceUSB2 Ports (1 rear), USB 2.0RS2321 Port, for PC Communication and KeyboardRS4851 Port, for PTZ ControlCANSupportHeaterOptionalElectricalPower SupplyDC 6V~36VPower Consumption13bW (Without HDD)EnvironmentalOperating Conditions-30°C (with heater)~ +60°C (+14°F ~ +131°F)Storage Conditions-30°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RHConstruction128mm×220mm×50mm (7.0° x 8.7° x 2.0°)Net Weight.1kg (4.6 lb) (without HDD)CertificationsFCC | Network Function | TCP/IP, UDP, DHCP, DDNS, FTP, Email, Alarm Server |
| Auxiliary InterfaceUSB2 Ports (1 rear), USB 2.0RS2321 Port, for PC Communication and KeyboardRS4851 Port, for PTZ ControlCANSupportHeaterOptionalElectricalPower SupplyDC 6V~36VPower Consumption<15W (Without HDD) | Max. User Access | 128 users |
| USB2 Ports (1 rear), USB 2.0RS2321 Port, for PC Communication and KeyboardRS4851 Port, for PTZ ControlRS485supportCANSupportHeaterOptionalElectricalDE GV~36VPower SupplyC5 GV (Without HDD)Power Consumption-30°C (with heater)~ +60°C (+14°F ~ +131°F)Storage Conditions-30°C (~ +70°C (-4°F ~ +158°F), 0~ 90% RHConstructionImmesionsNet Weight2.1kg (A.6 lb) (without HDD)CertificationsFC | Smart Phone | iPhone, iPad, Android |
| RS232I Port, for PC Communication and KeyboardRS485I Port, for PTZ ControlCANSupportHeaterOptionalElectricalPower SupplyDC 6V~36VPower Consumption<15W (Without HDD) | Auxiliary Interface | |
| RS485I Port, for PTZ ControlRS485I Port, for PTZ ControlCANSupportHeaterOptionalHeaterDotonalElectricalStansactionPower SupplyC 6V~36VPower Consumption<15W (Without HDD)EnvironmentalStorage ConditionsOperating Conditions<30°C (with heater)~ +60°C (+14°F ~ +131°F)Storage Conditions<30°C ~ +70°C (-4°F ~ +158°F), 0~90% RHConstructionPimensions<18mm×220mm×50mm (7.0° x 8.7° x 2.0°)Net Weight<1kg (4.6 lb) (without HDD)CertificationsCentifications | USB | 2 Ports (1 rear), USB 2.0 |
| CAN Support Heater Optional Heater Optional Electrical Code/Code/Code/Code/Code/Code/Code/Code/ | RS232 | 1 Port, for PC Communication and Keyboard |
| HeaterOptionalHeaterOptionalElectricalDC 6V~36VPower SupplyDC 6V~36VPower Consumption<15W (Without HDD) | RS485 | 1 Port, for PTZ Control |
| First First First First First DC 6V~36V Power Supply DC 6V~36V Power Consumption <15W (Without HDD) | CAN | Support |
| Power SupplyDC 6V~36VPower Consumption<15W (Without HDD)EnvironmentalOperating Conditions-30°C (with heater)~ +60°C (+14°F ~ +131°F)Storage Conditions-30°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RHConstructionDimensions178mm×220mm×50mm (7.0" x 8.7" x 2.0")Net Weight2.1kg (4.6 lb) (without HDD)CertificationsCeFCC | Heater | Optional |
| Power Consumption<15W (Without HDD)EnvironmentalOperating Conditions-30°C (with heater)~ +60°C (+14°F ~ +131°F)Storage Conditions-30°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RHConstructionDimensions178mm×220mm×50mm (7.0" x 8.7" x 2.0")Net Weight2.1kg (4.6 lb) (without HDD)CertificationsCC | Electrical | |
| Construction -30°C (with heater)~ +60°C (+14°F ~ +131°F) Storage Conditions -30°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Construction -30°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH Dimensions 178mm×220mm×50mm (7.0" x 8.7" x 2.0") Net Weight 2.1kg (4.6 lb) (without HDD) Certifications FCC | Power Supply | DC 6V~36V |
| Operating Conditions-30°C (with heater)~ +60°C (+14°F ~ +131°F)Storage Conditions-30°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RHConstruction-Dimensions178mm×220mm×50mm (7.0" x 8.7" x 2.0")Net Weight2.1kg (4.6 lb) (without HDD)Certifications-CEFCC | Power Consumption | <15W (Without HDD) |
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| CE FCC | Net Weight | 2.1kg (4.6 lb) (without HDD) |
| | Certifications | |
| EN50155 ISO16750 | CE | FCC |
| | EN50155 | ISO16750 |

Dimensions (mm)





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