EmPower Mobile Series

Saitell®

MPVR-P12-2VA-G4W

8+4 Channel 2 HD
Mobile Video Recorder

Features

◇ Support penta-brid(HDCVI/AHD/TVI/CVBS/IP) video input

◇ H.264 dual-stream video compression

◇ Support 12(8+4) ch 1080P realtime recording

◇ VGA/TV simultaneous video output

◇ Support 2 HDD, 1 SD card backup, 2 USB3.0

◇ Aviation connectors adopted

◇ Multiple network monitoring: Web viewer, Unisight VMS

GPS | 4G | Anti-vibration | Fanless | G-sensor

1080p FULL HD | Temperature | Easy Installation | 6~36V ISO7637-2 | CAN bus

System Overview

This series is the first mobile PVR which adopts the HDCVI/AHD/TVI/CVBS/IP signal, it can support 1080P high-defnition real-tme recording, it can support real-tme 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.

4G/WIFI

Embedded with 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.

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Technical Specification

System

Main Processor	Embedded microprocessor
Operating System	Embedded LINUX

Video

Input	8+4 channel
Standard	Analog:NTSC, PAL HDCVI:1080P HDCVI camera IPC:1080P IPC

Audio

Input	8 channels aviation connector+2 channels pickup
Output	1 channel aviation connector+1 channel audio talk
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	1/4/8/9/12
Privacy Masking	4 rectangular zones (each camera)
OSD	Camera title, Time, Video loss, Camera lock, Motion detection, Recording

Recording

Video/Audio Compression	smart264/H.264/G.711
Record rate	Main stream:12 ch@1080P(1~25/30fps) Sub stream:D1(1~6/8fps)/CIF(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 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	9 channels,Alarm 1–7 represent local alarm input; 8 and 9 represent pulse input.
Alarm Output	2 channels,1 relay out, 1 Controllable 12V out

Playback and Backup

Playback	4
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	2 HDD
SD card	1 SD card

Network

Ethernet	RJ-45 Port (10/100Mbps)
Wireless Network	Built-in 4G/Wi-Fi module
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	3 Ports (1 rear), 2 USB 3.0
RS232	2 Ports, for PC Communication and Keyboard
RS485	2 Ports, for PTZ Control
CAN	Support
Heater	Optional

Electrical

Power Supply	DC 6V~36V
Power Consumption	<12W (Without HDD)

Environmental

Operating Conditions	-30°C (with heater)~ +60°C (+14°F ~ +131°F)
Storage Conditions	-30°C ~ +70°C (-4°F ~ +158°F), 0 ~ 90% RH

Construction

Dimensions	180mm×190mm×50mm (7.0" x 8.7" x 2.0")
Net Weight	2.65kg(whole package)

Certifications

CE	FCC
EN50155	ISO16750
EN45545-2	

Dimensions(mm)