

4CH AHD 1080P + 8CH IPC record

4G/Wifi Network Vehicle NVR



Key Features

- 4CH AHD 1080P + 8CH IPC Record;
- Support 2.5" Hard Disk (up to 6TB), SSD (up to 2TB) or SD Card (up to 256GB);
- 1 HDMI output(optional), 1 CVBS output;
- Recording Resolution:
1920x1080/1280x720/960x540(According to the type of camera).
- Max fps (total): 360fps@1080P for H.264 camera
- Interface I/O: LAN; USB2.0*2; RS485; RS232 port (For GPS)
- Network: IP/WIFI/3G/4G; GPS; Alarm Input/Output

General Introduction

The Hybrid Mobile HDD video recorder is a compact, full-featured recording system that uses a hard disc as a storage device. The recorder unit and associated accessories are specifically designed for operation in a mobile environment.

The Mobile HDD video record system, used in conjunction with the cameras, records up to 12 channels of full-motion video and audio data to a removable hard disc. The firmware-driven menu system provides a simple method for configuring the unit's operation as well as searching for and viewing previously recorded AV records.

Video And Audio

- High Profile video compression, real time recording 30 fps. Frame rate adjustable for each channel.
- Audio compression: G.711 codec. This codec offers high compression with high quality audio.
- 12 channels for IPC and analog camera.

Power Management

- Reliable power management, wide voltage: +12VDC~+32VDC; The power input is protected against short positive transient (1500 watts peak pulse power capability with a 10x1000 us waveform); The power input is protected against negative voltage. Applicable for vehicles with +12V or +24V battery.
- The recorder provides each camera with stable +12V DC power; DVR can detect the short cut on power circuit.
- Can use ignition to control the power.
- DVR can monitor battery voltage after Ignition off, and auto into sleep mode when voltage is bellow specified level.

Recording Mode

- Continuous record.
- Support schedule recording.
- Support alarm recording.

- Support alarm pre-recording and post-recording.
- Support motion detection recording.

GPS Time Synchronization & Time Zone

- Synchronize the DVR system time with GPS automatically
- Support All Time Zones Worldwide
- Support DST (Daylight Saving Time)

Speed And vehicle status recording

- Record vehicle speed and car id with audio and video.
- Support 6 sensors, can be connected to speed, ignition, brake, return, right turn, left turn light etc.
- Over-speed alarm and trigger recording with separated files

Hard Disk

Support hard disk up to 6T. Please note, the inside height of the hard disk case is 15.7mm, please select the hard disk whose height is less than 15.2mm.

SD Card

- Support SDHC card within 32GByte.
- Support SDXC card more than 64GByte (Maxim 2048GByte)
- Support hot-plug when the DVR system is not recording or remote-operation(remote copying or playing back)
- Note: If you remove the SD card while recording or operating (remote copying or playing back), it might cause the damage of the files on SD card. While recording, the yellow light on the front panel will be on. So please stop recording or operating until the yellow light is off if you need to remove the SD card.

Multiple Player Supported

- VLC media player (version1.0.0 or above);
- Storm player (Version 2009 or above);
- Winamp (Version 5.531 or above).

Technical parameters

Model	
Model No.	NVR9848
System	
Operating System	Linux 4.19.90
Startup Time	<50 s (From Powered on to start recording)
Operator Interface	English / Simplified Chinese/Russian
Storage	2.5" Hard Disk (up to 6TB), SSD (up to 2TB) or SD Card (up to 256GB)
UI	GUI
Video System	support 1080p30 recording
Video	
Video Input	Maximum for 8x 1080p IPC and 4x 1080P Analog/AHD cameras
Video output	2 Video Output (1 HDMI output, 1 CVBS output, HDMI is optional)
Preview	Support Full Screen/Dual View/Quad View/6 Cameras view/8 Cameras view/9 Cameras view/10 Cameras view/12 Camera view
Standard Stream	ISO 14496-10
Recording Resolution	Support 1920x1080/1280x720/960x540(According to the type of camera)
Recording	Supports normal, schedule, alarm recording and continuous

Record File	AVI file, record video and audio at same time
Bitrate	100~8000 kbps for each camera
Max fps (total)	360fps@1080P for H.264 camera
Audio	
Audio Input	12 audio input(built in the camera)
Audio compression	PCM(According to the type of camera)
Interface I/O	
LAN	1(RJ-45) 10M / 100M Ethernet port
USB	Two USB 2.0, can be used for mouse, USB stick
RS485	One RS485 port
Serial	One RS232 port (For GPS)
Network	
WiFi (Optional)	Build in 802.11b/g/n AP, speed up to 300Mbps
Protocol	TCP/IP
Communication (Optional)	build in 3G/4G(HSUPA/HSDPA/WCDMA/EVDO/TD-SCDMA/FDD-LTE/TDD-LTE)
Alarm & Sensor	
Inputs	6 Alarm input, 1 ignition, 1 Panic button, G-Sensor
Outputs	1 beeper, Alarm OSD,2 Relay Output(Optional)
Multi-mode	Activation by video loss, maximum permissible speed, Collision, stroage space, Video Motion, etc.
Power Supply	
Ignition key	Recording starts when ignition is on, stops with delay time when ignition is off.
Power Consumption	Less 5.0W (No camera power consumption included)
Power Input	12VDC~32VDC
Power Output	11.5V/1.5A (12 channels)
G-Sensor	
G-Sensor	Support for three-axis motion detection
Physical Characters	
Dimension	162.3x133.0x35.7 mm
Weight	About 0.57kgs
Others	
Backup	By WiFi (300Mbps, Actual download speed up to 150Mbps)
Clock	Internal, permanent calendar, Time sync from GPS (if available)
GPS	Support GPS/GLONASS/BEIDOU, recording location, speed, live tracking
Function Dual Streaming	Two different bit stream for recording and live streaming via 4G/3G
Self-protection	Protection against overload, short circuit and reverse polarity
Reset	Option to return to factory default setting
LED's	Indicates Power, RUN, Alarm, Media Access, Recording status, network and 3G/4G
Method of writing and reading of data	Overwrite ON/OFF selectable
Environment	
Operating Temperature	-25 ~ 55° C
Relative humidity	5%~93%
Vibration resistance	< 3 Grms
Resistance to mechanical shock	< 1200 Grms
ACC	
<4.5V	Ignition Off
>6.2V	Ignition On

Embedded Software	
Config. FPS per channel	allows (1~30fps)
ID records vehicle license plate	Support
USB	Support
Rename channels	Support
Watermark	Includes date and time, latitude and longitude, vehicle speed, and vehicle ID plate and name or channel number
Schedule	Settings hour, minute, 3 time plans per day
Image Playback	Support play back, file listed by date and time, alarm
Firmware Upgrade	Can use hard disk/USB disk/SD card/remote upgrade via 4G
Playback Speed	Support from 1/32 to 32
Software	
hPlayer	Player software, play multiple cameras together, can also play the encrypted file
CMSV6	Used for 4G/3G model only, support live view/live tracking/historical track/remote upgrade etc



