Shenzhen QOHO Electronics Co., Ltd

4CH 1080P Three SD card AI Mobile DVR

QH-MDVR8104S-AI

Key Features

4CH 1080P Three SD card AI Mobile DVR

- High-Level SOC: Novatek NT98321, Built-in the NPU algorithm ability. can extend to add AI algorithms such as DMS\ADAS\BSD, driver's face recognition, camera-Cover alarm, and leftover detection.
- Support Three memory cards slot, including Two SD cards, one TF card slot, Single card that supports up to 512GB.
- Powerful GPS function, which can meet and above the functions required of the traditional GPS tracker.
- Support GLP server.
- Easy assemble and replace. Achieve Three types of upgrades: GPS+4G function, GPS+4G+2CH video, GPS+4G+4CH video under only replace the cables and upgrade different versions of software with no need to disassemble the MDVR machine.
- Support different UPS capacities to support delayed shutdown (1-3 hours)
- Three SD card 4-CH 1080P Mobile DVR;
- AI ADAS, DMS, BSD as optional;
- Long time Working in UPS Battery as Optional;
- Powerful GPS Tracking Function;
- 4G, Wifi as optional;
- Smart Size:135*116*43mm

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Factory Address: 12/F,C area, HuiLongDa Industrial Park,Shiyan street,
Baoan district,Shenzhen city, Guangdong province, China.

Specification

Model	QH-MDVR8104S-AI	
Item	Working Parameter	Specification details
Power Input	8-36V	1. The input voltage is +8V～+36V, if the voltage is lower than 8V or higher than 36V for a long time, the device will automatically shut down and enter the protection mode. 2. Pure step-down power supply, the system is divided into two power supplies (camera and system power supply are independent)
Output Voltage	CAME_12V X 4	The total current is 5A, it is a 1A interface to the AHD camera. You can control the switch on and off the camera as needed for that camera power supply. This system can independently control the power of the camera and the monitor, which is convenient for turning off unnecessary cameras and displays after a delayed shutdown
	12V OUT	The output voltage is 12V(+/-0.2V), The maximum current is 3A.
	5V OUT	The output voltage is 5V(+/-0.2V), The maximum current is 1A.
Car Key (ACC) Signal	≤6V	The car key is off
	≥7.5V	The car key is on
Built-in UPS	5x7F*2.7V	1. Power on and charge, and it will be fully charged in 3 minutes. It still keeps the system working for 10s when the external power failure, also continues to complete data saving and shutdown. 2. To ensure that the device will not restart when the input power supply is instability. 3. Built-in UPS polymer battery is optional (1-3 hours), built-in interface and fixed position are standard
Power Consumption	Bare Device	≤4W
	Full Function	≤60W
System Parameter:		
System Performance	Operation System	Linux
	Operation Mode	UI 、controller cellphone APP、WEB
	CPU	Novatek NT98321

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	Processor Core	DUAL CA9
	Internal storage	DDR3 4GBIT Flash128M Nand
Audio Parameter:		
Video and Preview	Audio Input/Output	Input： Two AHD or Four AHD/Output: CVBS+VGA
	Image recognition	can integrate AI algorithm ADAS\DMS\BSD
	OSD	OSD character superposition, such as date, time, channel ID, GPS, license plate number, etc.
	Video compression format	H.264/H.265
	Dual streaming	Support
	Preview function	1. 4-screen splicing can be previewed, supporting event-triggered on the full-screen and splicing switching display function
	Frame rate	1080P: maximum 120 frames/sec, 720P: 240 frames/sec, single-channel maximum 30 frames/sec; NTSC: 240 frames/sec
	Resolution	Support 1080P, 720P, D1 encoding format
	Picture quality level	1 to level 3 video can be configured, the best level 1 and the lowest level 3
	Code rate	D1: 512,768,1024 three levels optional
		720P: 1024, 2048, 4096, three levels optional
		1080P: 2048, 4096, 6144, three levels optional
Audio	Audio Input/Output	4 channels audio input, 1 channel audio output
	Compression Format	Support G.726, G711 code
Video/storage parameter:		
Record	SD card	Three memory cards position: two SD cards, one TF card, maximum support 256G capacity
	Storage time description	Video quality
		1080P (4 channels)
		720P (4 channels)
		D1 (4 way)
	Video Method	Support SD card, TF card cycle recording, and cycle deletion (the oldest recording is deleted)
		Support SD card cycle recording, TF card mirroring, and missing recording.

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	Video Detect	according to the recording time, recording type, recording storage device, etc to search
	File Format/system	H.265/FAT32
	Video Mode	Default boot recording, support manual recording, alarm recording, timing recording, mirroring recording, etc.
	Video Search	According to the recording time, recording type, recording storage, etc to search
	Video Playback	Support local playback, up to 4 channels of simultaneous playback, and analyze the vehicle information in the file at the same time
		Support fast forward, fast rewind, play, pause control, support 2, 4, 8, 16 times speed fast forward or rewind, support time selection playback control
Internet, location parameter:		
Network	3G/4G/5G	EVDO/TD-SCDMA/WCDMA/TDD-LTE/FDD-LTE, etc
	WIFI	802.11b/g/n/ 2.4G/5.8G optional
Internet	Ethernet	1 RJ45 interface, can be extended to connect to the IPC
Position	GPS/BD	Positioning, speed detection, time synchronization,
Extended interface parameters:		
Interface	USB	USB2.0, the front shell USB is used for data export, upgrade use
	SD	2 x SD card slot, 1 x TF card slot
	SIM	SIM 1 x SIM card slot, flow card slot
	Serial Port	Serial port 2 x RS232, 1 x RS48
	Switching value	Switch value 8 inputs, 2 outputs
	1-wire	1 wire support iButton
	Intercom	can choose to dock the microphone function, wire changes
	WIFI-ANT	WIFI antenna interface
	4G-ANT	4G antenna interface
	GPS-ANT	GPS antenna interface
G-sensor	Automatic correction	Uncertain XYZ installation direction, automatic correction after driving
Size		135*116*43mm

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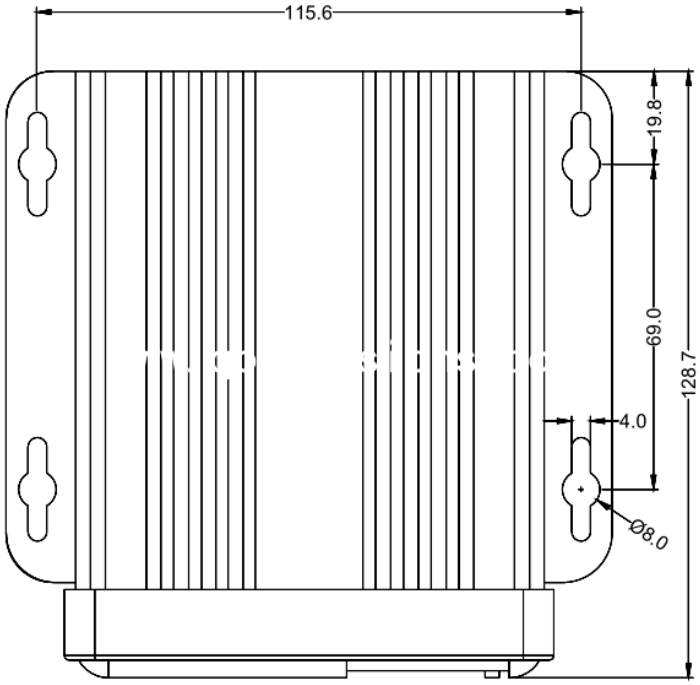

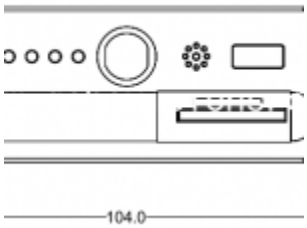

This Product can work with:

1080P Car Reverse Camera	Driver Fatigue Monitor	1080P Starlight camera	1080P High-resolution side camera

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