

Mobile NVR 2 SATA

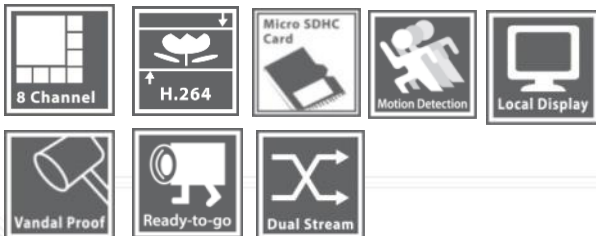
SR-MN08F202-WG4

Key feature:

- H.264 Compression
- 8-36V wide voltage design, for all kinds of automobiles
- Live view and track the vehicles on google map from PC and cell phone in real time
- Playback the videos which stored in the NVR disc, Server from PC and cell phone in real time
- Support to view the vehicle's driving route history in real time
- Support Anti-shock for the PCB panel and parts.
- 2.5-inch SATA hard disk, 2TB maximum.
- IK10 Compliant
- Stable aluminum alloy structure



CE FCC



The 8 channel Embedded Digital Video Recorder is designed for Mobile Applications such as Car, Buses, Trains etc. It uses embedded processor and embedded operating system, combined with video, audio compression, decompression, GPS, car recorder, and the capacity hard disk storage technology to confirm the high intelligence and high stability. Widely used for bus, ship, train, and other areas of security.

- **Total Resources**
8 Channel 1080P/ 720P:
Support 8 channels 1080P (1920*1080) simultaneous recording, total 240fps.
- **Full duplex**
Under full loading status, users can index, playback the recorded data with no frame loss.
- **Malfunction alarming function**
When the NVR fail to work, the alarm switch is ON, showing alarm information for 5 minutes at least.
- **Self-test the status and self-recovery**
When in working status, the "RUN" indicator will constantly flash and check the device. Recovery will take no more than 3 minutes when device crashes.
- **Record Fault Tolerance**
Emergency Record in case of HDD failure the data will be stored on SD card.
- **Authority, encryption, Data safety**
Data is stored in a special file system to ensure its encrypted and safe. Video Watermarking.
- **Log function**
The log includes the alarming and malfunction information, stored into HDD. It can be checked via computer.

*Due to continuous technology up gradation, designs and specification are subject to change without notice.

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Features:

Operating system

- Embedded Linux operating system, high stable, free from virus.
- English/Chinese/Russian/ Portuguese menu switchable.
- Graphical user interface.

Compression format

- H.264 format: more excellent frame rate, quality image output.

Monitoring and Recording

- Monitor: 8 Channel 1080P: 1080P (1920*1080)
- Record: 8 Channel 1080P: PAL 200fps, NTSC 240fps, real-time 4CH 1080P recording.
- Record mode: Alarm, schedule, manual, motion detection. Support
- 8 Channel 720P/ 960P/ 1080P: 8CH video and 8CH audio meanwhile recording.
- Record image quality: 8 levels adjustable.
- Video recorded in special file system to ensure lifespan and safety of HDD.
- Reliable evidence with unchangeable audio/video data.

Index and Playback

- Index and playback by time.
- Support : 8 Channel 1080P/960P/720P: 4CH video, 1CH audio (any channel can be chosen), index and playback at the same time, support amplifying in one channel.
- Data only played by NVR playback software.

HDD storage and data backup

- Support 2.5inch HDD max 2TB.
- The HDD data can be backed up via PC software.
- Support USB (USB 2.0) backup.

Control

- Dual MCU control, to ensure NVR stability.
- Support remotely controls by remote controller.

Others

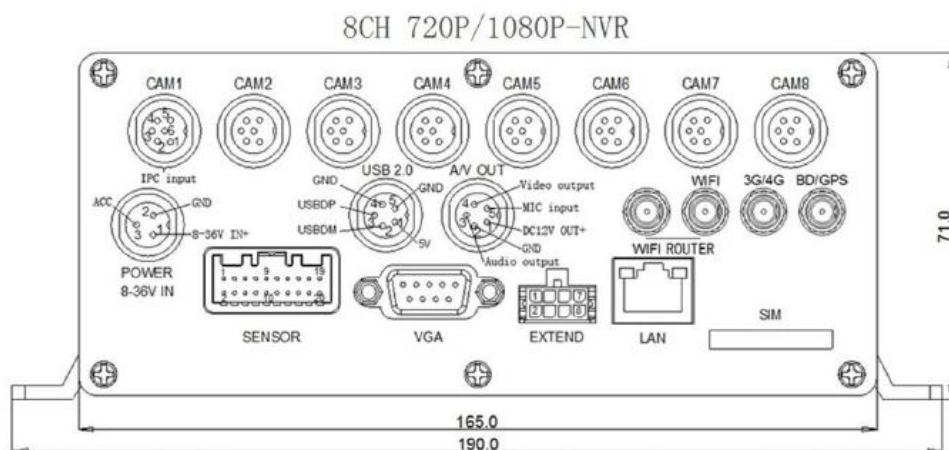
- Upgrade through USB, easy to maintain.
- Protect by password, to avoid data damage.
- Delayed shutdown: default for 5s, adjustable.
- Anti-pulse and low voltage protection.
- Real-time timer.
- Anti-shock for the PCB panel and parts.
- Watch dog function to avoid system crush
- GPS information embedded in screen (optional), support electronics fence and historical track playback
- Support time-lapse recording after the car is powered off
- Support HDD overwritten by days, FIFO, Event Tagging Exclusion.
- With digital zoom capabilities when previewing the video
- Support PTZ control via RS-485 port
- Support transmitting audio via network
- Dual Streaming

Device parameter	Performance
Product Name	8CH 1080P Mobile NVR
Operation system	Embedded Linux operating system
Operation interface	Graphical interface
System Privileges	User Password
Video Input	8CH 1080P Digital
VGA Output	1CH Support 1920*1080 , 1280*720 , 1024*768 Resolution
CVBS Output	1 Channel PAL/NTSC Output, 1.0Vp-p,75Ω, Pin Aviation Connector
System Resources	1080PPAL : 200fps, NTSC : 240fps
Audio Input	8CH independent input,600Ω
Audio Output	1ch CVBS output, 600Ω, 1.0-2.2V
Distortion Plus Noise	≤-30dB
Recording Mode	Sound and Image Synchronization
Audio Compression	G711A
Image Compression	H.264
Image Format	8*1080P(1920*1080)/ 8*960p)/1280*960)/8*720P(1280*720)/4CIF/2CIF/CIF/QCIF
Video Taking Up of Hard Disk	1-8 adjust
Video Stream	192Kbps-8.0Mbit/s (each ch)
Video Taking Up of Hard Disk	85MB-1800MByte/hour
Audio Bitrate	4KByte/s (each ch)
Audio Taking Up Of Hard Disk	14MByte/hour(each ch)
Audio Bitrate	4KByte/s (each ch)
Function Overview	Preview, Recording, Playback, Network, Locating
Display Split	1/4
OSD	Channel No., GPS Location, Alarm, Vehicle No, Speed, Date/Time
Operation Interface	Graphical Interfaces, Chinese/English/Portuguese/Russian/French/Turkish optional
Video/Audio Compression	Video: H.264 Audio: ADPCM (G.711A, G.711U optional)
Image Quality	1-8 levels adjustable (1 is the best)
Recording Mode	Boot up/Schedule/Alarm
Pre-recording	0-60minutes
Post-recording	0-30 minutes
Mirror Recording	Support
Image Quality	1-8 levels adjustable (1 is the best)
Playback Channel	8*1080P (1920*1080) 8*960P (1280*960) 8*720P (1280*720)
Search Mode	Date/time, channel, event
Network 3G	EVDO/WCDMA/TDD-LTE/FDD-LTE
Network WIFI	802.11b/g/n
GPS	Location tracking on Google Map, Speed detection and Time sync
Storage	HDD:2.5" SATA hard disk x 2 / SSD SD Card:1 x SD (Max. 128G)
HDD Storage	2 SATA, 2.5" HDD, Max capacity 2TB
Alarm in	12 Channels Independent Input. High Voltage Trigger
Alarm out	3 Channels Independent output
Motion Detection	Support

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Video Loss Detection	Support
Alarm Actions	Buzzer, Visual Indication on Monitor, LED Blinking
Host Access	Can Expand One for USB Disk Backup
Ethernet	RJ45 Ethernet Port
Wi-Fi	802.11b/g/n (Optional)
4G/3G	Optional: FDD-LTE/TD-LTE/WCDMA/CDMA2000Module Inside
GPS	Location tracking, Speed detection and Time sync (optional)
RS232	3X Interface
RS485	2X Interface
Intercom	Support
G-Sensor	Support
CANBUS	Support (Optional)
Fire BOX	Support Fire Proof Recording Storage (optional)
Hotspot	Support Wi-Fi Hotspot (optional)
PoE	8 Channel PoE M12 Port
Power Consumption	DC8-36V 5% ≤12W
Operating Conditions	Temperature: -20~85°C 0% to 95% humidity
Working Temperature	-40°C~ +70°C≤80%
Clock	Built-In Clock, Calendar
Product Size	245(L)*190(W)*71(H)mm (with Holder)
Ingress Protection	IP66
Vandal Proof	IK10
Certification	CE, FCC, MIL-STD-810, JSS:55555
Vibration & Shock Proof	EN60068 Certificate



SENSOR Interface definition:

1 Canbus+	11 Alarm input 1
2 Canbus-	12 Alarm input 3
3 RS485+	13 Alarm input 2
4 RS485-	14 Alarm input 4
5 Alarm outputCOM1	15 Alarm input GND
6 Alarm outputCOM1	16 Alarm input GND
7 Alarm outputCOM2	17 Alarm input 5
8 Alarm outputCOM2	18 Alarm input 7
9 Alarm input GND	19 Alarm input 6
10 Alarm input GND	20 Alarm input 8

EXTEND Interface definition:

1 DC12V OUT+
2 DC12V OUT-
3 Audio input
4 Audio output
5 RS232 (RX)
6 Video output
7 RS232 (TX)
8 Video/Audio GND

IPC Interface definition:

1 DC12V OUT+
2 DC12V OUT-
3 RX+
4 RX-
5 TX+
6 TX-

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