Mega Pixels HD HDD MOBILE NVR—MNVR9204





Easily Smart WIN8 Interface, saving time in device setting.

MAIN FEATURES

 $H.264\ Compression \square 4CH\ Real-time\ 720P/1080P\ High\ definition\ camera\ input.$

2CH video output (1CH CVBS video, 1CH VGA output for optional.)

Exclusive pre-

allocate File System protect data completeness, prevent SD Card fragment, ensure date stable and complete.

8-36V wide voltage with low power consumption.

Unique UPS Technology ensures the integrality of record when power failure occurs, even can for 8-1 0s.

HDD+SD Card Storage (Support 2.5" HDD, max 128G SD Card) protect from Shock & Dust damage ;support USB port data backup and device update;

Support 2 USB interfaces, data backup and device upgrade.

Support 8CH alarm input (1CH Analog + 7CH IO Alarm input), 2CH independent alarm output.

Support 1 CH CAN port.

Support HDD heating functions, can work in harsh environment.

Support GPS/BD/G-Sensor Extension modules;

Realize real time monitor through 3G/4G;

Support WIFI module, can download data automatically.

Support Broadcast/Intercom/Text sent etc;can add oil sensor/temperature sensor/POS/LED Advertise ment Panel;

Supporting the ministry of communications agreement. Support SMS remote configure/ control devic e;

OTA(On-The-

Air) Device automatically upgrade function, can upgrade to updated version, maintenance is more c

onvenient.

Support voice call function.

Support IOS/Android Phone Remote monitor

High level aviation interface, easily installation and better shockproof, more stable;

Product Features:

- ♦ HIS Solution, H.264 Compression, Multiple stream recording, support 4CH 1080P AHD Mega pixel s camera input;
- ♦ High quality real time recording, 1080P/720P/CIF/HD1/D1 Optional, quality adjustable;
- ◆ Professional Car Power Design,8-36V wide voltage,Provide reverse voltage/overload/short circuit p rotection, to meet kinds of car application;
- ♦ Support 12VDC output voltage, power supply for Camera/Screen etc;
- ♦ HDD+SD CARD record (support 2.5" HDD + max 128GB SD Card),protect NVR from shock & Du st damage;
- ♦ Watchdog abnormal restart function, protect SD Card and Record;
- ♦ Exclusive pre-

allocate DVR Special File System Technology, Solving repeatedly wipe cause file fragmentation, and ensure the integrity of the data.

- ♦ ACC Delay off, can set 24 hours;
- ♦ Unique UPS Technology ensures the integrality of record when power failure occurs, even can for 10-15s.
- ♦ Auto Record/Manual Record/Alarm Record etc working mode to meet different requirements;
- ♦ Show Car status/Plate/Driving Route/Low Speed/Over Speed information for convenient managem ent;
- ◆ Support GPS/BD,3G/4G Module Optional,WIFI extend;
- ◆ Strong Network, phone device configure, Support SMS Get device information and configure;
- ◆ Support Video&Audio Monitoring,Intercom, PTZ, Alarm,Over speed,Geo Fence etc through remote control platform;
- ♦ 7CH Alarm input(Door Open,Light,Turn direction,brake,reverse etc),can linkage kinds of alarm;
- ♦ 2CH alarm output, Support the linkage acousto-optic alarm, cut off fuel oil/power,etc .
- ♦ 1CH CAN port, get the information of car.
- ♦ High level aviation interface, easily installation and better shockproof, more stable;

- ♦ Easily Smart GUI Interface, saving time in device setting;
- ♦ Strong Stable Application, Support Real-time monitor, talk-back, playback, record, picture snap etc;
- ♦ Updated through SD or OTA Remote Automatic updating, more stable and convenient;
- ◆ Support Phone Remote Monitor, 3G Phone Calling etc;
- ♦ Support PTZ/POS/Oil Sensor/LED Advertisement Panel etc;
- ♦ Support Ministry of Transport Standard Agreement
- ♦ Be Customized according your request;

Main Functions

Compression	Item		Parameter
Machine Mach	OS		
Machine Mach			Chinese/English/Others (can be customized)
OSD GIT Graphical User Interface Can connect to texternal LED screen Setup system parameters with the remote control. Video Record System Video Input 4CH 1080p input, aviation connector Video Cutput 1CH (CVRS+VGA output for optional, 1.0Vpp, 750 Proview 1CH (CVRS+VGA output for optional, 1.0Vpp, 750 Proview 1000p/720pO1/HD1/CIF, MAX channels 1080p Video Quality 7-P reves, 0 is the links less level, 1 is the lowest level, 1000p/720pO1/HD1/CIF, MAX channels 1080p Video Quality 7-P reves, 0 is the links less level, 2 is the lowest level, 1000p/720pO1/HD1/CIF, MAX channels 1080p Video Standard 1000p/720pO1/HD1/CIF, MAX channels	0 0		
GUI Graphical User Interface Can connect to external LED screen. Setup system parameters with the remote control. Video Record System Video Cutput CHC 1980 jungut valution connector. Video Cutput CHC 1980 jungut valution and 14 channels proviews. Support Manual/Alarm Trigger full screen preview Resolution Distington 200 point Channels 1980 p. Video Cutput Video Cutput Video Cutput CHC 2584 p.s. 1584 ps. multi levels video quality optional Distington 200 p. 20 p.	-		•
Video Record System Video Input 4CH 1090p input_aviation connector.	GUI	Graphical User Interfac	v
Video Output	Video Record System	-	
Preview Support I channel and 4 channels preview. Support Manual/Alarm Trigger full screen preview		<u>-</u>	
Besolution 1089p/720p/D1/RDI/CIF, MAX-4 channels 1080p Video Care O-Flewers, 0.5 the highest level, 7.5 the lowest level. Video Standard CIF-256Khps - 1.5Mbps, multi levels video quality optional HID: 600Khps - 2.5Mbps, multi levels video quality optional D1: 600Khps - 2.5Mbps, multi levels video quality optional D2: 200Khps, multi levels video quality optional D3: 200Khps, multi levels video quality optional D3: 200Khps, multi levels video quality optional D4: 200Khps, multi levels video quality optional D5: 200Khps, multi levels video quality optional D4: 200		-	
Video Standard O-T levels, 0 is the highest level, 7 is the lowest level. The bowest level. The bo			1 11 00 1
Video Standard CIF_256KDps - 1.5Mpps, multi levels video quality optional D1: 800Kpps - 2.5Mpps, multi levels video quality optional D1: 800Kpps - 3.5Mpps, multi levels video quality optional D1: 800Kpps - 80			
Record Mode		Video Standard	CIF: 256Kbps ~ 1.5Mbps, multi levels video quality optional HD1: 600Kbps ~ 2.5Mbps, multi levels video quality optional D1: 800Kbps ~ 3Mbps, multi levels video quality optional
Audio Input ACH Audio Output I CH Compression G.711 compression, 8KB/s speed Alarm Output Support dalarm linkage function Alarm Output I Support the linkage acousto-optic alarm, cut off fuel oil/power,etc Communication Interface CH RS232, support extension device, such as POS machine, Oil Feul sensor, LED advertising screen , etc. 2CH RS232, support extension device, such as POS machine, Oil Feul sensor, LED advertising screen , etc. 2CH RS232, support extension device, such as POS machine, Oil Feul sensor, LED advertising screen , etc. 2CH RS232, support extension device, such as POS machine, Oil Feul sensor, LED advertising screen , etc. 2CH RS232, support extension device, such as POS machine, Oil Feul sensor, LED advertising screen , etc. 2CH RS232, support extension device, such as POS machine, Oil Feul sensor, LED advertising screen , etc. 2CH RS232, support extension device, such as POS machine, Oil Feul sensor, LED advertising screen , etc. 2CH RS232, support extension device, such as POS machine, Oil Feul sensor, LED advertising screen , etc. 2CH RS232, support extension device, such as POS machine, Oil Feul sensor, LED advertising screen , etc. 2CH RS232, support extension device, such as POS machine, Oil Feul sensor, LED advertising screen , etc. 2CH RS232, support extension device, such as POS machine, Oil Feul sensor, LED advertising screen , etc. 2CH RS232, support extension device, such as POS machine, Oil Feul sensor, LED advertising screen , etc. 2CH RS232, support Extension device, such as POS machine, Oil Feul alex sensor. 2CH RS232, support Extension device, such as POS machine, Oil Feul Sensor. 2CH RS232, support Extension device, such as POS machine, Oil Feul Sensor. 2CH RS232, support Extension device, such as POS machine, Oil Feul Sensor. 2CH RS232, support Extension device, such as POS machine, Oil Feul Sensor. 2CH RS232, support Extension device, such as POS machine, Oil Feul S			1080P:4Mbps-8Mbps, multi levels video quality optional
Audio Output ICH Compression G.711 compression, 8KB/s speed		Record Mode	The default setting is auto recording after power on. Timed recording, alarm trigger recording and manual recording are supported.
Compression	Audio	Audio Input	4CH
Alarm Input Alarm Input Alarm Output Communication Interface COMMUNICATION COMMUNICATI		Audio Output	1CH
Alarm Output		Compression	G.711 compression, 8KB/s speed
Communication Interface 2CH RS232, support extension device, such as POS machine, Oil Feul sensor, LED advertising screen , etc. 2CH 485 interface, can connect PTZ,etc. 1CH CAN interface. Wireless transfer Support Built-in 3G/4G network, WCDMA,CDMA2000,TDD-LTE,FDD-LTE TD-SCDMA Compatible with GPRS,EDGE Position Support Built-in 3G/4G network, WCDMA,CDMA2000,TDD-LTE,FDD-LTE TD-SCDMA Compatible with GPRS,EDGE Position Support Built-in 3G/4G network, WCDMA,CDMA2000,TDD-LTE,FDD-LTE TD-SCDMA Compatible with GPRS,EDGE Support USE RISP/RD Module, can make playback analysis of vehicle routing G-Sensor Support G-sensor Support G-sensor Support Support SUB Band bisk updating,SD card mirror recording to protect data from loss Uggrade Support USE Blash disk updating,SD card upgrade , OTA remote upgrade automatically File Format File System Professional MNVR File System USB Rash disk upgrade to backup; hard disk box USB port, can back up video data Support Valage Sport Valage Sport, support USB flash disk upgrade to backup; hard disk box USB port, can back up video data Video Playback Max support 4CH Replay /Stop/Fast Forward/Fast Reverse at same time Support X-2A,48,81,6 fast forward or fast backward play User/Admin Z Levels Different Passwords, support Size en lock Adaptive wide power input, support Wide Voltage, Over-load/JOver- voltage Sport Circuit/Reverse Protection. Support Time Setting/Delay power off Voltage Number Analysis of V	Alarm Input		
CH 485 interface, can connect PTZ,etc. CH CAN interface. Wireless transfer	Alarm Output		2CH power on/off Alarm Output, Support the linkage acousto-optic alarm, cut off fuel oil/power,etc
Support Built-in 3G/4G network, WCDMA,CDMA2000,TDD-LTE,FDD-LTE TD-SCDMA COmpatible with GPRS,EDGE	Communication Interface		2CH RS232, support extension device, such as POS machine, Oil Feul sensor, LED advertising screen , etc.
Wireless transfer Support Built-in 3G/4G network, WCDMA,CDMA2000,TDD-LTE,FDD-LTE TD-ScDMA Compatible with GPRS,EDGE Position Support G-sensor Video Storage Storage Storage 2.5" HDD+ 5D Card,each max 2TB HDD + 128GB SD Card mirror recording to protect data from loss Upgrade Support USB flash disk updating,SD card upgrade , OTA remote upgrade automatically File Format 264 General video format File System USB Front panel supports USB port, support USB flash disk upgrade to backup; hard disk box USB port, can back up video data Video Playback Video Search Playback Max support 4CH Replay/Stop/Fast Forward/Fast Reverse at same time Support x 2,x4,x8,x16. fast forward or fast backward play Voltage & Power Consumption Power Management Voltage for Management Voltage Input Voltage Output Voltage Fower Onsumption Power Consumption Power Consumption Voltage Input Voltage Output			2CH 485 interface, can connect PTZ,etc.
TD-SCDMA Compatible with GPRS,EDGE Position Support G-sensor Video Storage Storage Storage Storage Storage Support UsB flash disk updating,SD card upgrade , OTA remote upgrade automatically File Format 2.64 General video format File System Professional MNVR File System USB Front panel supports USB port, support USB flash disk upgrade to backup; hard disk box USB port, can back up video data Video Playback Video Search Playback Video Search Playback Video Search Search video by Record Time/Record Type etc Support x 2,x4,x8,x16. fast forward or fast backward play Safety Management Voltage & Power Consumption Voltage Input Voltage Input Voltage Input Voltage Output Video Dever Of Protection Voltage Unput Voltage Output Voltag			1CH CAN interface.
Support G-sensor Support G-sensor	Wireless transfer		Support Built-in 3G/4G network, WCDMA,CDMA2000,TDD-LTE,FDD-LTE TD-SCDMA Compatible with GPRS,EDGE
Storage Storage Storage 2.5" HDD+ SD Card,each max 2TB HDD + 128GB SD Card mirror recording to protect data from loss	Position		Support Built GPS/BD Module,can make playback analysis of vehicle routing
Upgrade Support USB flash disk updating,SD card upgrade , OTA remote upgrade automatically File Format , 264 General video format File System Professional MNVR File System USB Front panel supports USB port, support USB flash disk upgrade to backup; hard disk box USB port, can back up video data Video Playback Video Search Search video by Record Time/Record Type etc Playback Max support 4CH Replay /Stop/Fast Forward/Fast Reverse at same time Support x 2,x4,x8,x16. fast forward or fast backward play Safety Management User/Admin 2 Levels Different Passwords , support screen lock Voltage & Power Consumption Power Management Adaptive wide power input, support Wide Voltage, Over-load[]Over-voltage[]Short Circuit[]Reverse ProtectionSupport Time Setting/Delay power off Voltage Input DC:+8V ~ +36V Voltage Output +12V@2.5A[]+5V@2.5A Power-off Protection Power Consumption Power Consumption Normal Working [5W Vorking Environment Temperature 20°C to +70°C Humidity 20% to 80% others Size 187[D[* 188]W[* 67]H [] mm	G-Sensor		Support G-sensor
File Format 264 General video format File System Professional MNVR File System USB Front panel supports USB port, support USB flash disk upgrade to backup; hard disk box USB port, can back up video data Video Playback Video Search Search video by Record Time/Record Type etc Playback Max support 4 CH Replay /Stop/Fast Forward/Fast Reverse at same time Support x 2,x4,x8,x16. fast forward or fast backward play Safety Management User/Admin 2 Levels Different Passwords , support screen lock Voltage & Power Consumption Voltage Input Dc:+8V ~ +36V Voltage Input Dc:+8V ~ +36V Voltage Output +12V@2.5A[]+5V@2.5A Power-off Protection UPS Technology,All video information can be saved automatically when the power is cut off, and make sure that all the files can not be damaged. Working Environment Temperature 20°C to +70°C Humidity 20% to 80% others Size 187[D]* 188[JW]* 67[H] mm	Video Storage	Storage	2.5" HDD+ SD Card, each max 2TB HDD + 128GB SD Card mirror recording to protect data from loss
File System Professional MNVR File System USB Front panel supports USB port, support USB flash disk upgrade to backup; hard disk box USB port, can back up video data Video Playback Video Search Search video by Record Time/Record Type etc Playback Max support 4CH Replay /Stop/Fast Forward/Fast Reverse at same time Support x 2,x4,x8,x16. fast forward or fast backward play Safety Management User/Admin 2 Levels Different Passwords , support screen lock Voltage & Power Consumption Voltage Input Dc:+8V ~ +36V Voltage Input Dc:+8V ~ +36V Voltage Output +12V@2.5A[+5V@2.5A Power-off Protection DPS Technology,All video information can be saved automatically when the power is cut off, and make sure that all the files can not be damaged. Normal Working [5W Working Environment Humidity 20% to 80% others Size 187[D]* 188[W]* 67[H] mm		Upgrade	Support USB flash disk updating,SD card upgrade , OTA remote upgrade automatically
USB Front panel supports USB port, support USB flash disk upgrade to backup, hard disk box USB port, can back up video data Video Search Video Search Search video by Record Time/Record Type etc Playback Max support 4CH Replay /Stop/Fast Forward/Fast Reverse at same time Support x 2,x4,x8,x16. fast forward or fast backward play Safety Management User/Admin 2 Levels Different Passwords , support screen lock Voltage & Power Consumption Voltage Input DC:+8V ~ +35V Voltage Input DC:+8V ~ +35V Voltage Output +12V@2.5A[]+5V@2.5A Power-off Protection Power Consumption Power Con		File Format	.264 General video format
Video Playback Video Search Playback Max support 4CH Replay /Stop/Fast Forward/Fast Reverse at same time Support x 2,x4,x8,x16. fast forward or fast backward play		File System	Professional MNVR File System
Playback Max support 4CH Replay /Stop/Fast Forward/Fast Reverse at same time Support x 2,x4,x8,x16. fast forward or fast backward play		USB	Front panel supports USB port, support USB flash disk upgrade to backup; hard disk box USB port, can back up video data
Support x 2,x4,x8,x16. fast forward or fast backward play Safety Management Voltage & Power Consumption Power Management	Video Playback	Video Search	
Safety Management User/Admin 2 Levels Different Passwords , support screen lock Adaptive wide power input, support Wide Voltage, Over-load[]Over- voltage [Short Circuit] Reverse ProtectionSupport Time Setting/Delay power off Voltage Input DC:+8V ~ +36V Voltage Output +12V@2.5A[]+5V@2.5A Power-off Protection UPS Technology,All video information can be saved automatically when the power is cut off, and make sure that all the files can not be damaged. Normal Working Environment Temperature -20°C to +70°C Humidity 20% to 80% others Size 187[D[* 188]W[* 67]H[] mm		Playback	Max support 4CH Replay /Stop/Fast Forward/Fast Reverse at same time
Power Management Adaptive wide power input, support Wide Voltage, Over-load[]Over-voltage[]Short Circuit[]Reverse ProtectionSupport Time Setting/Delay power off			Support x 2,x4,x8,x16. fast forward or fast backward play
Voltage Input DC:+8V ~ 36V Voltage Output +12V@2.5A +5V@2.5A Power-off Protection Power Consumption Power Consumption Temperature -20°C to +70°C Humidity 20% to 80% Others Size 187[DD]* 188[DW]* 67[]H] mm	Safety Management		User/Admin 2 Levels Different Passwords , support screen lock
Voltage Output +12V@2.5A[+5V@2.5A Power-off Protection Power Consumption Mormal Working Environment Temperature 4.0°C to +70°C Humidity 20% to 80% others Size 187[D]* 188[]W[* 67]H[] mm	Voltage & Power Consumption Power Management		
Power-off Protection Power Consumption Power Consumption Power Consumption Power Consumption Power Consumption Working Environment Temperature -20°C to +70°C Humidity 20% to 80% Others Size 187[D]* 188[]W]* 67[]H] mm		Voltage Input	DC:+8V ~ +36V
Power Consumption Normal Working 5W		Voltage Output	+12V@2.5A[]+5V@2.5A
Working Environment Temperature -20°C to +70°C Humidity 20% to 80% others Size 187[]D[]* 188[]W[]* 67[]H[] mm		Power-off Protection	UPS Technology, All video information can be saved automatically when the power is cut off, and make sure that all the files can not be damaged.
Humidity 20% to 80% others Size 187[]D[]* 188[]W[]* 67[]H] mm		Power Consumption	Normal Working []5W
others Size 187[D[]*188[]W[]*67[]H[] mm	Working Environment	Temperature	-20°C to +70°C
		Humidity	20% to 80%
Net Weight 1.8kg	others	Size	[187[]D[]* 188[]W[]* 67[]H[] mm
		Net Weight	1.8kg