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
Magnetic	OS		
Magnetic			Chinese/English/Others (can be customized)
OSD GIT Graphical User Interface Can connect to setter time and vehicle ID GIT Graphical User Interface Can connect to setter just per parameters with the remote control. Video Record System Video Input 4CH 1080 junpt, aviation connector. Video Output 1CH (CVRS+ VGA output for optional, 1.07 jp. 750 Preview Support 1 channel and 4 channels preview_Support Manual/Alarm Trigger full screen preview Resolution 1000 jp.720 jb.01 jt.17 jc.7 ic. Video Quality 7-2 feets, 0 is the highest level, 7 is the lowest level. Video Standard CIF 256 Mays - 1.5 Mays, multi levels video quality optional T2DP-4Mbjs-6Mbjs, multi levels video quality optional T2DP-4Mbjs-6Mbjs, multi levels video quality optional T2DP-4Mbjs-8Mbjs, multi	0 0		
Graphical User Interface Can connect to external LEP Screen. Setup system parameters with the remote control.			·
Video Record System Video Input 4CH 108(b) input, avistion connector.			, , , , , , , , , , , , , , , , , , ,
Video Output ICH CVRS+ VGA output for optional, 1.0Pp. 7502 Preview Support 1 channel and 4 channels preview. Support Manual/Alarm Trigger full screen preview Resolution 1080p7.20p7.D/I/HD1/CIF, MAX-4 channels 1080p Video Quality O-7 levels, is the highest level, 7 is the lowest level. Video Stendard CIF: 726KBps 1.5Mbps. multi levels video quality optional D1: 80KBps 2.5Mbps. multi levels video quality optional 1080p7.4Mbps. 8Mbps. multi levels video quality optional Audio Input 4CH Audio Output LICH Compression G.711 compression, 8KBs speed Audio Input 4CH Audio Output LICH Compression G.711 compression, 8KBs speed Previous G.711 compression, 8KBs speed Alarm Output, Support video Alarm Output, Support the linkage function Alarm Output COMPRESSION G.711 compression, 8KBs speed C.711 compression, 8KB	Video Record System	-	
Preview Support 1 channel and 4 channels preview. Support Manual/Alarm Trigger full screen preview		<u> </u>	1 1
Besolution 1090p/720p/D1/RDI/CIF, MAX-4 channels 1080p Video Cuality O-1 levels, oil to the highest level, or 3 is the forest level. Video Standard CIF_256Kbps - 1,5Mbps, multi levels video quality optional HD1: 600Kbps - 2,2Mbps, multi levels video quality optional D1: 800Kbps - 3Mbps, multi levels video quality optional D2: Port Myshps-6Mbps, multi levels video quality optional D3: Port Myshps-6Mbps, multi levels video quality optional D3: Port Myshps-6Mbps, multi levels video quality optional D4: Port Myshps, multi levels video quality optional D4: Port Myshps, multi levels video quality optional D5: Port Myshps, multi levels video quality optional D6: Port Myshps, multi levels video quality optional D6: Port Myshps, multi levels video quality optional D7: Port Myshps, multi levels video quality optional D8: Port Myshps, multi		-	
Video Standard O-T levels, 0 is the highest level, 7 is the lowest level. The lo			1 11 00 1
Video Standard CIF. 256KDps - 1.5Mbps, multi levels video quality optional D1: 800Kbps - 2.5Mbps, multi levels video quality optional D1: 800Kbps - 2.5Mbps, multi levels video quality optional 1680P-4Mbps-6Mbps,			
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 4 CH Audio Output 1 ICH Compression G.711 compression, 8KB/s speed Alarm Output Schipford Sch			1080P:4Mbps-8Mbps, multi levels video quality optional
Audio Output 1CH Compression 6.711 compression, 8KB/s speed Alarm Input 8CH 1O Alarm Input; Support alarm linkage function Alarm Output 2CH power on/off Alarm Output, Support blinkage acousto-optic alarm, cut off fuel oil/power,etc Communication Interface 2CH 85232, 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,TDP-LTE,FDP-LTE TD-SCDMA Compatible with GPRS,EDGE Position Support Built-in 3G/4G network, WCDMA,CDMA2000,TDP-LTE,FDP-LTE TD-SCDMA Compatible with GPRS,EDGE Position Support Built-in 8G/4G network, WCDMA,CDMA2000,TDP-LTE,FDP-LTE TD-SCDMA Compatible with GPRS,EDGE Position Support Built-in 8G/4G network, WCDMA,CDMA2000,TDP-LTE,FDP-LTE TD-SCDMA Compatible with GPRS,EDGE Position Support Built-in 8G/4G network, WCDMA,CDMA2000,TDP-LTE,FDP-LTE TD-SCDMA Compatible with GPRS,EDGE Position Support Built-in 8G/4G network, WCDMA,CDMA2000,TDP-LTE,FDP-LTE TD-SCDMA Compatible with GPRS,EDGE Position Support Built-in 8G/4G network, WCDMA,CDMA2000,TDP-LTE,FDP-LTE TD-SCDMA Compatible with GPRS,EDGE Support Built-in 8G/4G network, WCDMA,CDMA2000,TDP-LTE,FDP-LTE TD-SCDMA Compatible with GPRS,EDGE Support Built-in 8G/4G network, WCDMA,CDMA2000,TDP-LTE,FDP-LTE TD-SCDMA Compatible with GPRS,EDGE Support Usilt-in 8G/4G network, WCDMA,CDMA2000,TDP-LTE,FDP-LTE TD-SCDMA Compatible with GPRS,EDGE Support Usilt-in 8G/4G network, WCDMA,CDMA2000,TDP-LTE,FDP-LTE TD-SCDMA Compatible with GPRS,EDGE Support Usilt-in 8G/4G network, WCDMA,CDMA2000,TDP-LTE,FDP-LTE TD-SCDMA Compatible with GPRS,EDGE Support Usilt-in 8G/4G network, WCDMA,CDMA2000,TDP-LTE,FDP-LTE TD-SCDMA Compatible with GPRS,EDGE Support Usilt-in 8G/4G network, WCDMA,CDMA2000,TDP-LTE,FDP-LTE TD-SCDMA Compatible with GPRS,EDGE Support Usilt-in 8G/4G network, WCDMA,CDMA2000,TDP-LTE,FDP-LTE TD-SCDMA Compatible with GPRS,EDGE Support Usilt-in 8		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 Int		Audio Output	1CH
Alarm Output Communication Interface Computer Vectors Interface Communication Interface Computer Vectors Interface Communication Interface Computer Vectors Interface Communication Interface		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 USP, BD Module, can make playback analysis of vehicle routing G-Sensor Video Storage Storage Support G-sensor Support G-sensor Support USB flash disk updating,SD card upgrade , OTA remote upgrade automatically File Format 264 General video format File System Professional MNVR File System 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 Voltage & Power Consumption Voltage & Power Management Voltage Input Voltage Nover Management Voltage Input Voltage Nover Management Voltage Nover Management Voltage Input Voltage Nover Management Volta	Alarm Input		8CH IO Alarm Input; Support alarm linkage function
CH 485 interface, can connect PTZ,etc. ICH CAN interface. Support Builtin 3G/4G network, WCDMA,CDMA2000,TDD-LTE,FDD-LTE TD-SCDMA Compatible with GPRS,EDGE Support Builtin 3G/4G network, WCDMA,CDMA2000,TDD-LTE,FDD-LTE TD-SCDMA Compatible with GPRS,EDGE Support Subject Builtin GPS/BD Module, can make playback analysis of vehicle routing	Alarm Output		2CH power on/off Alarm Output, Support the linkage acousto-optic alarm, cut off fuel oil/power,etc
ICH CAN interface. 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 Built GPS/BD Module,can make playback analysis of vehicle routing G-Sensor Video Storage Storage Storage 2.5" HDD+ SD 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 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 Max support 4CH Replay /Stop/Fast Forward/Fast Reverse at same time Support x 2,x4,x8,x16. fast forward or fast backward play User/Admin 2 Levels Different Passwords , support screen lock Voltage & Power Consumption Power Management Voltage Input Voltage Input 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 Femperature Power Consumption Femperature Adminity 20% to 80% others Size 187(DG)* 188[W]* 67[H[] mm			2CH 485 interface, can connect PTZ,etc.
TD-SCDMA Compatible with GPRS,EDGE Position Support G-sensor Video 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, uspport USB flash disk updating,SD card upgrade ob backup; hard disk box USB port, can back up video data Video Playback Video Search Video 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 Consumption Power Management Voltage Output Voltage Outpu			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 Voltage Input DC:+8V ~ +36V Voltage Input DC:+8V ~ +36V Voltage Output +12V@2.5AI]+5V@2.5A Power-off Protection Power Consumption Power Consumption Normal Working ISW Working Environment Temperature 20°C to +70°C Humidity 20% to 80% others Size 187IDI* 188IWIP 67IHI 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 Power Consumption Power Consumption Power Consumption Power Morking []5W Working Environment Temperature 20°C to +70°C Humidity 20% to 80% others Size 187[D]* 188[]W]* 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 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 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. Working Environment Temperature 20°C to +70°C 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 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 Voltage Input DC:+8V ~ +36V Voltage Input DC:+8V ~ +36V Voltage Output +12V@2.5A[]+5V@2.5A Power-off Protection Power Consumption Normal Working SW Working Environment Temperature -20°C to +70°C Humidity 20% to 80% H87[]D[]* 188[]W[]* 67[]H[] mm Temperature -20°C to +70°C Humidity 20% to 80% H87[]D[]* 188[]W[]* 67[]H[] mm		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 Voltage Input Voltage Input Voltage Input Voltage Output Power-off Protection Power Consumption Power Consumption Power Onsumption Power Management Voltage Input DC:+8V ~ +36V Voltage Output +12V@2.5A[]+5V@2.5A Power-off Protection Power Consumption Power Consumption Power Consumption Power Consumption Voltage Output +12V@2.5A[]+5V@2.5A Voltage Output Power-off Protection Power Consumption Vorking Environment Temperature -20°C to +70°C Humidity -20% to 80% others Size Support x 2,x4,x8,x16. fast forward or fast backward play Support screen lock Voltage Noter-lock Voltage, Over-load[]Over- voltage, Over-	Video Playback	Video Search	Search video by Record Time/Record Type etc
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 [BW 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
Voltage & Power Consumption Voltage Power Management Voltage Input Voltage Input Voltage Output			Support x 2,x4,x8,x16. fast forward or fast backward play
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. Power Consumption Normal Working 5W Working Environment Temperature 20°C to +70°C Humidity 20% to 80% others Size 187 D * 188 W * 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 Working Environment Temperature -20°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 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[DD]* 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