

## Main Functions

\*\*\* Above parameters any changes,please refer to actual product \*\*\*\*

Main	Sub-Item	Instructions
Recording Sub-System	Video Channel	8Channel video + 8Channel Audio recording synchronously;
	Resolution	Support maximum 8*1080P/720P, every single channel can be adjustable
	Image Quality	0-7 levels, 0 is the highest level.
	OSD	Overlays information such as date time and vehicle ID
	Loop Rec	Support HDD loop recording, loop cover previous video
	Record Mode	Timed recording, alarm trigger recording and manual recording
	Preview	Support 1 / 4 / 5 / 6 / 8 / 9 channels preview.,Support Manual/Alarm Trigger full screen preview
	Disk overwritten	Space Pre-allocated Support disks overwritten function.
Playback System	Video Search	Search video files anytime per day, support kinds of search types.
	Playback	Support maximum 8channel synchronously playback, pause,fast forward, fast rewind;
		Support forward and backward play at the speed of: x2 ,x4,x8,x16. Support alarm spot search and time search.
GUI	Graphical User Interface	Setup system parameters with the remote control.
Alarm	Input	16channels electrical level alarm input for optional Alarm linkage recording\Active request the intercom\One-key phone calling functions,etc.
	Output	Max support 4ch level output
Optional functions	GPS Positioning	Built-in GPS/BD module: can sync record GPS information, trace replay.
	PTZ Control	Support Pelco-D protocol 485 PTZ remote/local control,preset.
	<b>Front Display Screen</b>	<b>128 x 64 Resolution Lattice Screen For Device Status Presentation</b>
	Serial Expand	Support LED Advertisement Panel\Oil Sensor\POS\Bus Station Broadcaster\Car OBD and so on.external devices.
	G-Sensor	G-sensor,Record vehicle real-time status.
	TTS Voice Broadcast	<b>Support TTS voice broadcast function.</b>
	Network	Can expand WIFI module,support 801.2b/g/n, 801.2a/c Built-in EVDO/WCDMA/TD-LTE/FDD-LTE,etc, 3G/4G module.
Others	ON/OFF	System delay-time power on/off;
	File System	DVR special file recording System Technology,Exclusive car record file system,space pre-allocate,4ch single file Record,cyclic covering; To avoid the storage of the media causes file fragments, with high reliability and high stability;
	<b>Build-In Battery</b>	<b>Built-in 3.7V / 600mAh (1200mAh Optional) Backup Battery.Support Device GPS upload In 24 hours After Vehicle Power Off</b>
	<b>Heater device</b>	<b>Build-In Hard disk Heater</b>

Item		Parameter
OS		Linux
Language		Chinese/English/Others (can be customized)
Video Compression		H.264 Compression Mode
<b>Front Display Screen</b>		<b>128 x 64 Resolution Lattice Screen For Device Status Presentation</b>
OSD		Overlays information such as date time and vehicle ID
GUI	Graphical User Interface	Can connect to external LED screen. Setup system parameters with the remote control.
Video Record System	Video Input	8CH 720P AHD/8CH 1080P AHD input ,aviation connector.
	Video Output	1CH CVBS+ VGA output for optional, 1.0Vp-p, 75Ω,Aviation
	Preview	Support 1 / 2 / 4 / 5 / 6 / 8 / 9 channels preview.,Support Manual/Alarm Trigger full screen preview
	Resolution	Support 1080P/720P/D1/CIF, MAX:8 channels 1080P
	Video Quality	0-7 levels, 0 is the highest level, 7 is the lowest level.
	Video Standard	PAL: 100f/s , CCIR625 line,50field; NTSC: 120f/s, CCIR525 line,60field; 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; 720P : 1Mbps~4Mbps, multi levels video quality optional; 1080P: multi levels video quality optional;
	Record Mode	The default setting is auto recording after power on. Timed recording, alarm trigger recording and manual recording are supported.
Audio	Audio Input	9CH ,Aviation Plug
	Audio Output	2CH,Front port is earphone port ,rear port connects to BNC connector.
	Compression	G.726 compression, 8KB/s speed
Alarm Input		16CH IO Alarm Input, 2CH AD input, pulse speed input; Support alarm linkage function
Alarm Output		4CH Relay Alarm Output, Support the linkage acousto-optic alarm, cut off fuel oil/power,etc
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.
		2CH CAN interface.(OPTIONAL)

Wireless transfer		Support Built-in 3G network, WCDMA,CDMA2000,TD-SCDMA compatible with GPRS,EDGE; Support Built-in 4G network, TTD-LTE, FDD-LTE
Position		Support Built GPS/BD Module,can make playback analysis of vehicle routing
G-Sensor		Support G-sensor
Video 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	H.264
	File System	Special Car system File System
	USB	Support Two USB Port: 2.0 - 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 8CH Replay /Stop/Fast Forward/Fast Reverse at same time
		Support x 2,x4,x8,x16. fast forward or fast backward play
Print Mode		Thermosensitive
Print Speed		30mm / second
Print width		57.5±0.5mm
Resolution		8 points per millimeter
Print Paper width		≤57.5±0.5mm
Safety Management		User/Admin 2 Levels Different Passwords , support screen lock
Voltage & Power Consumption	<b>Build-In Battery</b>	<b>Built-in 3.7V / 600mAh (1200mAh Optional) Backup Battery.Support Device GPS upload In 24 hours After Vehicle Power Off</b>
	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 < 10W
Working Environment	Temperature	-20℃ to +70℃
	Humidity	20% to 80%
	<b>Heater device</b>	<b>Build-In Hard disk Heater(Temperature Sensor)</b>
others	Size	180mm*53mm*170mm
	Net Weight	≤1000g