

FEATURES

- Built-in high performance Hisilicon chipsets, coded with H.265 standard, high compression rate and image quality
- 4CH AV Inputs with AHD 1080P/720P/960H/D1/CIF optional, 1CH synchronized AV output, 1CH VGA output
- 4CH local recording with 1080P resolution in real time

Power:

- Professional In-Vehicle power design, 10-36V DC Wide Voltage Range
- Multi protection circuits like under-voltage, short, reversed plug-in
- Smart power management system, shutdown under low voltage, low consumption

Data Storage:

- Special file management system to encrypt and protect the data
- Proprietary technology to detect the bad track of the hard drive which can make sure the continuity of video and long service life of the hard drive
- Built-in ultracapacitor, avoid data loss and sd card damage caused by sudden outage
- Support 2.5 inch HDD/SSD, maximum 2TB
- Support SD card storage, maximum 256GB

Transmission Interface:

- Support GPS, high sensitivity, fast positioning



Specifications

System	Main processor	Hi3520d v400	
	Operating system	Embedded Linux OS	
	Operating language	English	
	Operating interface	GUI, support mouse	
	Password security	User password/Admin password	
Extension function	GPS	Yes Support detecting antenna Plug in/Unplug/Short circuit	
Audio & Video	Video standard	PAL/NTSC	
	Video compression	H.265	
	Image resolution	1080P/720P /960H/D1/CIF	
	Playback quality	1080P/720P /960H/D1/CIF	
	Compound mode	4ch 1080P/720P/4ch 960H/2ch 720P+2ch 960H	
	Decoding ability	1ch 1080P/720P real time	
	Recording quality	Class 1-6 optional	
	Image display	Single/QUAD display optional	
	Audio Compression	G.726	
	Audio recording	Audio & Video synchronized recording	
Recording & Playback	Recording mode	Manual/Alarm	
	Video bit rate	Full frame 4096Mbps , 6 classes image quality optional	
	Audio bit rate	8KB/s	
	Storage media	SD card + HDD/SSD storage	
	Video inquiry	Inquiry by channel/Recording type	
	Local playback	Playback by file	
Firmware upgrading	Upgrading mode	Manual/Automatic/Remote/Emergency Recovery	
	Upgrading method	USB disk/Wireless network/SD card	
Interface	AV input	4ch Video input	
	AV output	1ch VGA video output, 1ch AV output	
	Alarm input	4 digital inputs (2 Positive trigger, 2 Positive/Negative trigger)	
	HDD/SSD	1 HDD/SSD (up to 2TB, support hot plug/unplug)	
	SD card	1 SDXC High speed card (up to 256GB)	
	USB interface	1 USB 2.0 (support U disk/mouse)	
	Ignition input	1 ACC signal	
	UART	1 LVTTTL Level	
	LED Indication	PWR/RUN	
	Disk lock	1	
	Debug port	1	
	Others	Power input	10~36V DC
Power output		5V 300mA	
Power consumption		Standby 3mA, Maximum consumption 18W @12V 1.5A @24V 0.75A	
Working temperature		-20°C ~ +70°C	
Storage			1080P/1G/h/channel
			720P 0.5G/h/channel
			960H 375M/h/channel
Dimension	162mm*153mm*52mm		