

4CH 1080P GPS WIFI 3G 4G HDD SSD MDVR



Features

- *Embedded compact design, low power, high efficient H.264 compress, high reliability.
- * 4CH 1080P HD recording, supports 2TB hard disk & 128GB SD card.
- *Optional 3G/4G, GPS, WIFI functions.
- *Built-in G-sensor.
- *Data protection when in sudden power off, optional inside-laid UPS battery.
- *Rich external ports, incl. 2x RS232, 2x RS485, 8x alarm in & 2x alarm out ports, VGA etc.
- *Auto image switch of car left/right turning, backing change.
- *With a simple hard disk installation and a good and reliable anti-shake protection system.
- *Directly mouse controlled menu entering.
- *Export of video recordings directly via USB port.
- *CMS platform ability for big fleet and user management.
- *Simple easy to operate video playback software.

Main Functions

FUNCTIONS	4CH 1080P
Wireless Communications	Through WIIF/3G/4G network, multi functions are achieved such as: real-time monitoring, video download, 2-way audio, parameter config, remote upgrade, remote control etc.
Recording	1~4CH 1080p real-time AV recording both locally and remotely.

	PAL for example: support 4CH CIF/HD1/D1/720p/1080P @25fps.
	Support PAL; NTSC
	OSD overlay info incl. time, channel, vehicle ID, GPS, speed etc.
Storage & Playback	Support 1x 2TB HDD & 1x 128GB SD storage
	Support 4 AV synchronous playback
	Support PC playback
	Support remote search and playback
	Support play, pause, slow, fast etc.
Black Box Function	Recording incl. speed, GPS, temperature, oil level etc.
	Support 6x switches with data collect
	Support local recording with vehicle info display
	Support real-time upload remotely, and history search and check

Specifications

ITEM	PARAMETER	4CH 1080P
System	Language	English
	Operation System	Linux
	Interface	Imaging menu operation interface (OSD Menu)
	Password Security	Two levels authority: admin, user
Video	Video Input	4 composite video input
	Video Output	1 composite video & 1 VGA outputs
	Video standard	PAL, NTSC
	Video compression	H.264 Main profile, 100 frame / sec
	Video Display	Single/Quad screen video
Audio	Audio Input	4 audio input
	Audio Output	1 audio output
	Audio Code	G726
	Way of recording	Simultaneous AV recording
Image Processing & Storage	Image format	CIF/HD1/D1/720p/1080P optional
	Standard of Video Stream	ISO14496-10
	Video code rate	CIF: 1536Kbps ~ 128Kbps,
		HD1: 2048Kbps ~ 380Kbps,
		D1: 2048Kbps ~ 400Kbps,
		720p: 2048Kbps ~ 4096Kbps,
		1080P: 2048kbps~8192kbps
	Image quality: Grade 1(best quality) - 8(worst)	
	Audio Code Rate	40KB/s
	Data Storage	Support 1x 2TB HDD & 1x 128GB SD storage
Alarm	Alarm input	8x Alarm input
	Alarm output	2x Alarm output, with 12V high electrical level
Communicati	RS232 port	2x RS232

on Port	RS485 port	2x RS485
	RJ45 Port	1x 10M/100M auto adjust Ethernet port
Extendable Port	Intercom	support
	Speed pulse	External connect
	Others	LED panel
Wireless Modules	3G WCDMA	optional
	4G LTE	optional, support TD-LTE/FDD-LTE
	WIFI	optional, 802.11b/g/n
	GPS	Optional, embedded module, show Geo-location, speed etc. Wireless upload function (Optional)
Acceleration sensor	G-sensor	Built-in
Software	Vehicle Network Management System (VNMS / CMS)	3G video monitoring and GPS tracking etc. PC/ Web/Android/iPhone/iPad platforms, multi-languages.
	Vehicle Analysis Software (VAS)	Video playback and analysis
Item	Parameter	Instruction
Power Input	+8V~+36V	Voltage Input: +8V~+36V Power will be auto off to self-protection activated if device is out of this range for long time,
Power Output	12V	Voltage output 12V (+/-0.2V 0), current for max. 4A
ACC	≤6V	ACC Off
	≥7.5V	ACC On
Video Input Impedance	75Ω	Average 75Ω per video channel
Video Output Voltage	2V p-p	75Ω per each 2V p-p CVBS signal
I/O Interface	0-4V	Defined as low level alarm
	> 4V	Defined as high level alarm
SD Card Interface	1x HDD slots 1x SD slots	HDD (Hard Disk) of 2.5" SATA, 2TB max. SD card of current brands, 128GB max. SD card can be used for recording, upgrade etc.
Working Temperature	-20°C~+80°C	Temperature in well ventilated condition