



Introduction

Adopting embedded Linux operating system and powerful Hisicon 3521 chips solution, Watchdog new 1080P series dedicated Mobile DVR (Digital Video Recorder) provides the most powerful monitoring functionalities, including 4CH AHD 720P +4CH IPC 720P audio and video encoding & decoding, 3G /4G& Wi-Fi wireless network transmission, satellite positioning service, secure data storage.

Main Features

- H.264 Compression& Dual Streaming
- **4CH 720P (AHD Camera) +4CH 720P (IP Camera)**
- 8CH video and 8CH Audio Input, HDMI/VGA output
- Dust and Vandal proof Aluminum Housing
- Embedded Linux OS & OSD Menu
- Support 1PCS HDD Slots and 1PCS SD Slot
- Frame Rate per Channel: (PAL) 1-25fps; (NTSC) 1-30FPS
- Live Video & Audio Surveillance and Tracking in Google Map
- Support 3G/4G/WIFI Wireless Network
- 6 alarm inputs with pre-alarm and post-alarm recording
- Support for Video Management, Live Tracking Large Fleet Management, etc.
- 8-36V DC input Adaptive, 12 DC Output for Cameras
- Broad Temperature Operating Range: -25℃ ~ +85℃ (optional heater)

Available Model:

HN-1104	Basic Mode
HN-2104	GPS
HN-3104	WIFI+GPS
HN-4104	3G+GPS
HN-5104	3G+WIFI+GPS
HN-5104LTE	4G+WIFI+GPS

4CH+4CH 720P HDD Hybrid MNVR

Series		Hybrid Mobile NVR
System	OS	Linux
	Compression	H.264 Main profile
	Language	English (Default).
	TV System	PAL/NTSC
	Dual Streaming	Main Stream: 1080P/720P/D1/HD1/CIF, Sub Stream: CIF/QCIF
A/V Input	Video Input	4CH CVBS (1.0 Vp-p, 75Ω)
	Video Compression	4*720P(AHD/960H)+4*IP Camera(720P)
	Streaming Standard	ISO14496-10
	Audio Input	4CH CVBS
	Audio Compression	ADPCM, G.726, G.711 Options
	A/V Input Connector	Round 4PIN to BNC
A/V Output	A/V Output	2CH CVBS (1.0 Vp-p, 75Ω)
	A/V Output Type	3.5mm Jack (Front), Round 4PIN Connector for LCD Monitor (Back)
Storage	Main Media	1x SD Card Slot (for 3G/4G model) 1x HDD Slot
	Vibration Reduction	Structure Reduction
Modules	RJ-45	4PCS (12V POE)
	3G /4G	Built-in 3G/4G module and antennas
	WIFI	Built-in WIFI module and antennas
	GPS	1575.42Mhz, 2.7-5V
	Acceleration	Built-in G-sensor
Interface	Alarm Input	6CH level inputs (Low Level Alarm: <4V; High Level Alarm: >4V)
	Alarm Output	2CH outputs, 12V DC
	SIM/UIM	1 standard SIM/UIM slot
	RS-485	2PCS
	RS-232	2Pairs
General	Power Input	Input: +9 ~ +36V DC;
	Power Output	+12V DC / 2A, +5V DC / 2A
	Consumption	≤ 3W(working); 0.5W (standby)
	Temperature	-40℃ to 80℃,
	Humidity	10% ~ 95%
	Size	184x248x190 (mm)
	Weight	≤ 2.05 kg