Product Datasheet

Part Code: See specification

Compact H.265 - 8CH Mobile NVR

Key Features

- Full HD recording at 1080p using H.265 main profile compression.
- Built-in Power over Ethernet (PoE)
- Hexaplex Operation - Simultaneous: Record / Live / Video back-up / Local control and remote access at the same time.
- Each camera input has a separately definable record frame rate.
- Support for both ONVIF and RTSP protocols.
- Smart-Search function that allows the user to combine multiple search criteria
- HDMI local monitor output supporting 4K display resolution
- VGA local monitor output supporting 2560 x 1600 resolution
- Removable HDD caddy that support HDD and SSD.
- Supports direct audio via RCA and embedded audio streams via IP camera
- Supports 4 local alarm inputs and a relay output
- Built-in GPS to track and record the speed and location of the vehicle
- Built-in G-Sensors to record and report acceleration, braking, left/right turns and collisions.
- User definable delay power off - post ignition off
- Built-in 3G/4G option
- Built-in WiFi option
- Simple on-screen menus to setup NVR
- Optional Media Management Module - GPS based route information and video advertising
- Optional GPS route violation module

Specifications

System	O.S.	Embedded Linux 3.0
	Multiplex	Hexaplex operation - simultaneous record, live, playback, backup, control, & remote access
Video	Format	IP-CAM: ONVIF Profile S, Profile T;
	Input	IP-CAM: Up to 16-CH 1080p/720p;
		Total Max: 8CH IP-CAM
	Main monitor	HDMI, with resolution up to 3840x2160 (4K), VGA, with resolution up to 2560x1600; RCA
Audio	Input	4 RCA-jack connector, line-in level (100mV-1Vrms)
	Output	1 HDMI; 1 RCA-jack connector, line-out level (up to 1Vrms)
Record	Compression	Video: H.265/H.264; Audio: ADPCM
	Max frame rate	IP-CAM: 240fps@1080p, 480/400fps@720p

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Specifications

Record	Max frame rate	Up to 80Mbps incoming bandwidth for IP-CAM
	Mode	Manual/Schedule/Alarm/Motion/Acceleration/Brake/Speed/Left-Right-Turn
	Pre-alarm record time	0 - 30 seconds
	Post-record time	0 - 60 minutes
Display	Resolution	"HDMI- Up to 3840*2160 VGA-2560*1600 ; NTSC – 720*480, PAL – 720*576"
	Split windows	1/4/7/9/16
	Frame rate	Up to 30/25 FPS per camera
	Freeze	Yes
	Digital Zoom	X2, X4
Playback	Max frame rate	240fps@1080p, 480fps@1080p-lite/720p/960H
	Search	Smart search, Date/time, Camera, Alarm, Motion, Video Loss, Acceleration, Brake, Speed, & Left/Right Turn
	Operation	Play, Fast Forward, Backward, Pause, Stop, Snapshot, etc.
Storage	HDD	1 set of 2.5" SATA HDD > 6TB storage, Failure detection & privacy law supported
	Backup	1 SD slot and 1 USB 3.0 port, Self playback for backup files (Future: Support Backup Record Data to SD)
Alarm	Input	4 contact or TTL/CMOS signals, polarity selectable
	Output	2 Normally Open or Normally Closed relay outputs
	Triggered by	Sensor input, Video loss, Motion, Speed, Acceleration, Brake (with built-in G sensor), & Left/Right Turn
Network	Ethernet	1 RJ-45 1000BaseT Ethernet connector
	3G/4G/(5G)	Build-in for option
	WiFi	Build-in for option
	POE	8 POE RJ45 support for 8CH IPC connection
	Protocol	TCP/IP, HTTP, PPPoE, DHCP, DDNS, FTP, TSP, NTP, RTSP, UPnP, P2P
	Remote	Support Windows 10/8/7, 1 I.E/Firefox/Chrome/App for unlimited number of DVRs,
		App for Mac/iPhone/iPad/Android phone and Tablet PC
Control / GPS / Car Speed / Engine Revolution	Remote Controller	1 remote controller through built-in sensor or wired remote sensor
	RS-232/RS-485	Option: (DV-9400 RS232/485 BOX) RS232 x 2 for Customized Application RS485 x 1 for PTZ control or Customized Application USB x2 one for DVR and one for option device
	GPS	Built-in; optional antenna
	GPS accuracy	Better than 2.5 meters (GPS + GLONASS)
	Car speed	Car speeding pulse in Support
	Engine Revolution	2-pin for car engine revolution signal input

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Specifications

Setup	Local	On screen setup via keypad, remote controller and/or mouse
	Remote	Setup & upload via Windows/Mac/iPad/Android Tablet application software
Reliability	System recovery	Auto power on after power loss recovery; Watch Dog Timer
	Security	Key lock for DVR host; Multi-level password (4 levels, up to 18 accounts)
	Operating shock	8G, 11ms (20 per five seconds max)
	Operating vibration	With HDD : 5 - 500Hz, 1.65G (0 to peak); With SSD : 5 - 500Hz, 2.7G rms
	Moisture proof	With spray coating
Weights & Measures	Dimension / Weight	185(W) x 205(D) x 60(H)mm
		KG (without HDD)
Power	Source	+12 or +24VDC, with acceptable rang +9 - 35VDC
	Consumption	Max. 20W without 12VDC output / heater loading
	Delay ON/OFF	Yes, with configurable timer
	12VDC Out	Max. Up to 6A for camera
Environmental	Operating temperature	-15ºC ~ +60ºC (Using HDD heat pad)
	Operating humidity	10 ~ 95%
Certification standards	EMC and electrical standards	CE, E-Mark, EN50155

Part Codes

Part Code	Option
VNVR-HD8-H265-1TB	1TB HDD
VNVR-HD8-H265-2TB	2TB HDD
VNVR-HD-GPS-RV	Optional GPS route violation module
VNVR-HD-VMM-USB	Optional video media module for bus infotainment

Connectivity