

DH4

4-Channel, High-definition DVR

Record up to four camera views in full high-definition (1080p) while maintaining support for existing HD (720p) and standard resolution (analog) cameras.

Get premium image quality, full motion video, and valuable extras such as built-in GPS and the latest wireless transmission standard, speed, acceleration, and geo-fencing alarms, plus remote DVR health monitoring via hardware and software options.



Full High-definition Surveillance

Record video from up to four full high-definition (1080p) cameras for the best clarity and image quality.

Hybrid Technology

Maintains support for existing high-definition (720p) and standard resolution (analog) cameras.

Remote Diagnostics

Remote diagnostic indicator provides DVR status (includes video loss) to the vehicle operator and advanced DVR health diagnostics are available on VMS software.

Valuable Built-In Options, Now Standard

Standard options WiFi & GPS enable automatic download and geo-tracking capabilities right out of the box.

Media Options

Up to 4TB primary storage and backup storage options up to 1TB.

Tested Tough for Heavy Duty Road Vehicles

Tested against SAE-J1455 & MIL-STD-810 for electronic equipment used in heavy duty vehicles (includes shock, vibration, voltage fluctuations, and more).

Compatible Cameras:



HD2Q Interior Dome



HD3Q Interior Dome



HD3U Interior Camera



HD3W Outdoor Wedge

Accessories:



"RGY-Button" Event Diagnostic Module



Hard Drive Dock III



GPS Antenna



G-Force Sensor



WiFi Antenna

Optional Add-ons:



Wi-Fi auto-download & Video management



Live GPS Tracking



Live Video Streaming

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Video	
Recording Channels	4 channels (HD or Std Res), one audio per active video
Video Resolution	Main: Up to 1920x1080 (1080p) Second: Fixed at 320x240 (CIF) for all channels
Record Rate	Main: Up to 30 FPS at 720p or lower Main: Up to 15 FPS, at 1080p Second: Up to 5 FPS all channels
Quality Settings	Adjustable, 4 levels
Codec	H.264
Auto Overwrite	Selectable On/Off
Display Modes	1UP or 4UP
Playback Rate	Frame advance, FFD and REV playback up to 32x
Search Function	Segment, alarm, date/time, event
User Interface	OSD with mouse, web browser, Evidence Manager video review software
Delay On/Off	Record On Delay ≤ 1 Hour Record Off Delay ≤ 1 Hour Power Off Delay ≤ 4 Hour
On-Screen Display	Main title, time & date, record status
Dual Stream Transmission	Transmit main or second stream live video and audio over an optional broadband (cellular) network
Storage	
Primary	Removable Storage Cartridge HDD/SSD: 500GB, 1TB, 2TB SSD Only: 4TB
Backup	Type: SDHC/SDXC Media (Optional) Size: 32GB, 64GB, 128GB, 256GB, 512GB, 1000GB (1TB)
Input/Output	
Network Ports	Front: 1 Port Rear: 2 Port, 1 at 12V PoE
Monitored Inputs	5 Signals + 1 Wake + 1 Alarm (Event Button)
Video Out	1 Front, 1 Rear
Status Indicators	3 LED on DVR + Optional Diagnostic Indicator
Wireless	
GPS	GPS Module Built-In with rear mounted SMA
Wi-Fi	802.11 Module Built-In (AC, AN, BGN) with dual rear mounted SMA

Smart Features	
Smart-Temp™	Ensures the DVR stays at its optimal operational temperature
Smart-Start™	Vehicle startup voltage protection safeguards DVR from electrical spikes
Smart-Stop™	Shuts down DVR if download activity is complete (requires Commander)
Temp Power	Turns on DVR for short duration maintenance activities
Inertia Sensor	3-axis external G-Sensor option
Electrical	
Voltage Range	9 to 32 VDC Operating
Transient Protection	600 W for power input, 400 W per signal input
Configuration Backup	Time & programmed info (retained up to 10 years)
Mechanical/General	
Dimensions (H x W x D)	2.5 x 7.0 x 9.5 in (64 x 188 x 241 mm)
DVR Weight	5.3 lbs. (2.4 Kg) with front door and rear shroud
Locking Front Door	Restricts access to user interfaces ports and media
Rear Shroud	Added protection for rear ports and connectors
Primary Storage Lock	Restricts access to media removal
Environmental	
Operating Temperature	HDD: -30 to 50°C (-22 to 122°F) SSD: -30 to 55°C (-22 to 131°F)
Approvals	
Emissions	FCC Part 15, Class A
Shock, Vibration, & Electrical	Tested against SAE-J1455 and MIL-STD-810G standards for Heavy Duty Vehicles
Specifications – Plus System	
Signals	5 external signal inputs + 5 internal signals
Wake	Trigger an internal signal or temporarily start DVR and record
Alarm	4 actions triggered by a signal or alarm input
Diagnostic Indicator	Remote DVR status display (Normally at Driver)
Event Button	Adds an event mark to video which enables quick search functionality
Location, Speed, Time	GPS synchronizes time and tracks vehicle location and speed. GPS antenna required.
Geo-fencing	Establish a vehicle geo-boundary and trigger an alarm if it deviates

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