

DH8

8-Channel, High-Definition DVR

Record up to eight 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 from up to eight built-in, full high-definition (1080p) channels or up to twelve with IP expansion.

Hybrid Technology

Supports IP plus high-definition (720p) and standard definition 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).

Recommended 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 | 8 channels built-in plus up to four via IP expansion with one audio channel per active video channel |
| Video Resolution, Analog | Main: Up to 1920x1080 (1080p) Second: 704x240 or 480x272, camera dependent |
| Record Rate, Analog | Main: Up to 30 FPS at 720p Main: Up to 30 FPS at 1080p (120 FPS Max, Shared) Second: Up to 5 FPS all channels |
| IP Expansion | 4 analog channels via module or one IP camera via injector |
| IP Camera | Up to 3 Megapixel, 30 FPS, 10 Mbps |
| Quality Settings | Adjustable, 4 levels |
| Codec | H.264 |
| Auto Overwrite | Selectable On/Off |
| Display Modes | 1UP or 8UP |
| 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 & system 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 | 10 (7 Signals + 1 Wake + 2 Alarm) |
| Video Out | 1 Front with Audio, 1 Rear |
| Status Indicators | 3 LED on DVR + Optional Diagnostic Indicator |
| Signal Out | 1 at 12V, 100ma max |
| Wireless | |
| GPS | Built-in GPS with antenna port |
| Wi-Fi | Built-in 802.11 (AC, AN, BGN) with dual antenna ports |

| 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 36 VDC Operating |
| Transient Protection | 600 W for power input, 400 W per signal input |
| Configuration Backup | Time & programmed info (retained up to 7 years) |
| Mechanical/General | |
| Dimensions (H x W x D) | 2.5 x 7.0 x 11.5 in (64 x 178 x 292 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: -40 to 60°C (-40 to 140°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 | 7 external signal inputs + 3 internal signals |
| Alarms | 4 actions triggered by a signal or alarm input |
| Wake | Starts DVR directly into record mode |
| Diagnostic Indicator | Remote DVR status display |
| Event Button | 2 alarm inputs, each adds an event mark to video |
| Location, Speed, Time | Automatically sync time and record vehicle location and speed (GPS antenna required) |
| Geo-fencing | Trigger alarm if vehicle exits geo-boundary |

1246-SF-DH8-SS-ST-022422

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