

DH8

8-Channel, High-Definition DVR



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

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