DS2 – Two-Camera Vehicle Event Recording System

Cost-effective Driver and Vehicle Monitoring Solution

The DS2 combines high-definition video recording, fleet telematics and vehicle operating data to produce a compact, economical driver and vehicle monitoring system with no recurring fees.

A high-definition (HD) camera captures the road ahead while a second HD camera ensures driver and passenger safety. A built-in LED indicator gives drivers instant feedback to correct unsafe habits immediately. The DS2 helps fleet managers identify risks to driver and passenger safety, coach better driver performance and reduce collision, insurance, and fleet operating costs.

- **Powerful Event Reconstruction**

  High-quality video and telematics data combine to give fleet managers multi-channel video and audio, vehicle speed and location, path travelled, and driver behavior data on a single screen for better incident review and driver coaching.

- **Built for Fleets**

  Unlike low-cost consumer dash cameras, the DS2 was built for fleets with commercial-grade hardware, solid-state recording, intuitive video player and superior quality.

- **Small Footprint. Easy Install.**

  With no bulky digital video recorder (DVR), the DS2 camera is small enough to fit in the palm of your hand, allowing for quick and easy install behind the rear view mirror to prevent driver distraction or view obstruction.
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High-Quality Video
Two high-definition cameras with built-in audio deliver forward & cab-facing camera views.

Full Location History
Built-in GPS displays path travelled and vehicle location on a map synchronized with camera views.

Fast Boot
Video starts recording within 10 seconds of start-up.

Safety Monitoring
Built-in G-force sensor records driving events such as harsh braking or high-speed turning.

Super-Cap Power
Protects video recorded in case of sudden power loss such as an accident.

Complete Event View
View cameras, GPS & telematics all on one screen.

Solid State Recording
No moving parts with up to 466 hours of video/event data recording.

Low-light Operation
Interior Camera features IR Illumination for improved night-time video.

Smooth Playback
Up to 30 frames per second per camera recording prevents ‘jumpy’ video playback.

Built for Fleets
Continuous or event-based recording with configurable inputs and alarms to support fleet workflows.

Dual Stream Video
A 2nd low res video stream enables video download and fast search.

Easy Event Exports
Self-playing video with nothing to install make exported events easy to share.

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**Video**

<table>
<thead>
<tr>
<th>Video Recording Channels</th>
<th>2 HD video, 2 audio</th>
</tr>
</thead>
<tbody>
<tr>
<td>Camera focal length</td>
<td>Camera 1 = 4.0mm, Camera 2 = 2.6mm</td>
</tr>
<tr>
<td>Video Resolution</td>
<td>720p or 360p progressive scan</td>
</tr>
<tr>
<td>Second Stream Video Resolution</td>
<td>360p or 180p progressive scan</td>
</tr>
<tr>
<td>Maximum Frame Rate</td>
<td>Up to 25 FPS per camera; Camera 1 &amp; Camera 2 @ 720p Main Stream (Second stream enabled) Up to 30 FPS per camera; Camera 1 &amp; Camera 2 @ 720p Main Stream (Second stream disabled)</td>
</tr>
<tr>
<td>Quality Settings</td>
<td>Adjustable, 8 levels; 1 (best) – 8 for alarm recording</td>
</tr>
<tr>
<td>Overwrite modes</td>
<td>Auto overwrite, No overwrite, Minimum days (1 – 31)</td>
</tr>
<tr>
<td>Display modes</td>
<td>Single camera or two cameras simultaneously</td>
</tr>
<tr>
<td>Playback rate</td>
<td>Frame advance, FFD up to 16x, Slow FWD ½ to 1/16</td>
</tr>
<tr>
<td>Search function</td>
<td>Time &amp; Date, by channel, alarm</td>
</tr>
<tr>
<td>User Configuration</td>
<td>via iOS or Android Mobile App</td>
</tr>
<tr>
<td>On screen display</td>
<td>Time, speed, vehicle number, GPS, channel name, device ID, position</td>
</tr>
<tr>
<td>Video Playback</td>
<td>MS Windows-based video player: compatible with Commander</td>
</tr>
</tbody>
</table>

**Storage**

- Media: SD Card, security cover (removable)
- Capacity: Up to 512 GB

**Input/Output**

- Network Interface: WiFi; supports 802.11 b/g/n, supports AP/Station mode switch
- Sensor: 2 inputs active Hi or active Lo

**Electrical**

- Microphone: Built-in; ADPCM, G.711A, G.711U
- Voltage range: 8 – 32 VDC
- Transient protection: 700 W per signal input

**Mechanical Dimensions**

- Forward Camera/Recorder: 98 x 58 x 37 mm
- Weight: 3 lbs (including one camera, recorder, cabling and power source)

**Environmental**

- Operating temperature: -40F to +158F (-40C to +70C)

**Approvals**

- Emissions: FCC and CE

1016-DS2-SS-ST-103119

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