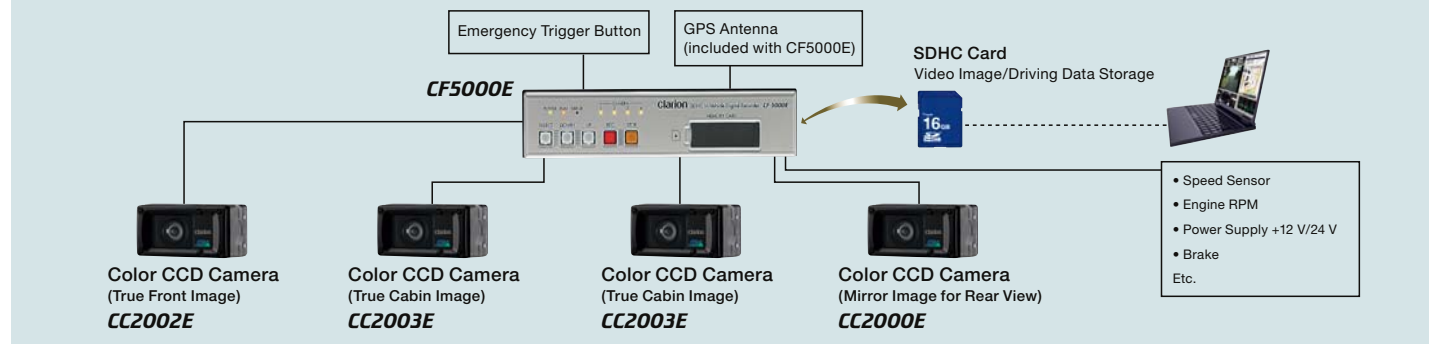


### System configuration example



### Options

Color CCD Cameras	Compact Color CCD Cameras	Waterproof Camera Cables for CC2000 Series	Waterproof Camera Cables for CC2011 Series
<b>CC2000E</b> (Mirror/Wide) <b>CC2003E</b> (True/Wide) <b>CC2002E</b> (True/Narrow)	<b>CC2011E</b> (Mirror/Wide) <b>CC2012E</b> (True/Wide)	<b>CCA-416</b> (5m•16ft) <b>CCA-392</b> (7m•23ft) <b>CCA-393</b> (10m•33ft) <b>CCA-394</b> (15m•49ft) <b>CCA-395</b> (20m•65ft)	<b>CCA-532</b> (7m•23ft) <b>CCA-533</b> (10m•33ft) <b>CCA-534</b> (15m•49ft) <b>CCA-535</b> (20m•65ft)

### Specifications

<b>Main unit dimensions</b> (excluding tamper prevention mechanism)	178 (W) x 40 (H) x 153 (D) mm	<b>Frame rate</b>	5 to 30 fps (NTSC)
<b>Overall dimensions</b> (including tamper prevention mechanism)	193 (W) x 40 (H) x 170 (D) mm	<b>Resolution</b>	VGA: 640 x 480 / CIF: 352 x 288 (selectable)
<b>Weight</b>	Approx. 1.3 kg	<b>Event recording</b>	Creates an event file that includes the triggered file, the file before the event file and the file after the event file
<b>Power supply</b>	+12 V/+24 V	<b>Overwrite prevention function</b>	Selectable overwrite protection of event files
<b>Recording media</b>	4 GB to 16 GB SDHC memory card Please ask your Clarion dealer for recommended SDHC cards.	<b>Run-On timer function</b>	Recording can be continued for up to 90 minutes after ACC power is switched off
<b>External input terminal</b>	Camera input x 4 (DIN5P x 4) Alarm input x 4 Audio input x 1 (MIC input or Line input)	<b>Camera angle of view (CC2003E)</b>	Left-Right 118°, Up-Down 97°
<b>External output terminal</b>	Video output x 1 Alarm output x 2 Audio output x 1	<b>Link to GPS mapping</b>	Available
<b>GPS receiver</b>	Built in	<b>Operating temperature range</b>	-10°C~+55°C
<b>Number of connected cameras</b>	4 (Clarion cameras)	<b>Included accessories</b>	<ul style="list-style-type: none"> <li>• Tamper prevention kit</li> <li>• Camera connector</li> <li>• Power cable</li> <li>• Trigger input cable</li> <li>• Mounting bracket</li> <li>• GPS antenna</li> </ul>
<b>Recording compression method</b>	MPEG4/AVC (H.264)		

### Recording time (Reference values) Recording capacity 16GB

No. of frames/sec.	Bit rate [kbps]		2048	1024	512	256	128
	Resolution	Audio recording					
30/sec.	VGA	Available	Approx. 16 hrs.	Approx. 32 hrs.	Approx. 64 hrs.	Approx. 128 hrs.	Approx. 256 hrs.

Note: The recording capacity does not change even when the number of frames is changed. When the number of frames is increased, the picture quality of each frame decreases.

### Disclaimer

- Clarion assumes no liability if data cannot be recorded or if recorded data is damaged although this product is designed to record and store data on an SDHC card.
- Specifications and design are subject to change without notice.
- Google is the trademark of Google, Inc.

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# SDHC In-Vehicle Digital Recorder CF5000E



## Advanced Automatic Surveillance and Logging System Lets You Drive with Confidence





## Secure, Error-Free Recording of In-Vehicle Events Is Assured by Utilizing SDHC Memory Card Technology

Surveillance recording in and around your vehicle is the best way to assure the safety and security of both you and your passengers. With more than six decades of experience as a world-leading specialist in in-car media equipment, Clarion has the expertise to provide you with the superior, leading-edge technology you demand. Building on our proven reputation for reliability, our CF5000E in-vehicle digital recorder uses a new SDHC memory card, which is a large-capacity version of an SD card. Unlike a conventional hard disk, the SDHC card features high vibration resistance, low running cost, and removable convenience, making it the ideal medium for in-vehicle digital recording.

SDHC In-Vehicle Digital Recorder

# CF5000E



Tamper prevention kit is included.

### Large-capacity, easy-to-handle SDHC card

- Data storage on easy-to-handle, large-capacity SDHC cards (up to 16 GB).
- Video data is compressed in the H.264 format and audio data is compressed in the G.726 format, enabling approx. 4 hours of recording per gigabyte (30 fps, 512 kbps, VGA).
- Continuous recording mode is the default setting and event-activated recording mode is also available.

### Driving/vehicle data recording

- The CF5000E incorporates a GPS receiver to record vehicle location data and records other data including driving time, vehicle ID, flagged points, activation of the brake and directional signals, and door contact status.

### Emergency locked file function

- Images recorded while the emergency trigger button is kept depressed cannot be overwritten.

### Comprehensive security functions

- A tamper prevention kit with lock is incorporated to protect the CF5000E's main unit.
- Recorded data can only be played back when the vehicle management information is verified via proprietary playback software, which also has a data tampering detection function.

### Up to 4 cameras can be connected

- Up to 4 channels of video can be input for extensive coverage of driving and vehicle conditions. When 4 Clarion CCD cameras are installed at various locations inside and outside of the vehicle, areas such as the front of the vehicle, the interior, rear of the vehicle and door areas can be fully covered.
- The CF5000E incorporates a built-in power supply for 4 high-performance, high-reliability Clarion color CCD cameras.  
Note: The CC2001 camera with shutter cannot be used.

### Automatic Run-On timer function

- The CF5000E continues recording for up to 90 minutes after the car's accessory power supply is turned off.

### Specifically designed for in-vehicle usage

- Compatible with DC 12–24 V.
- Installation is easy thanks to the compact design.
- Since there are no mechanical moving parts, there is no need for periodic replacement of components.
- Built to stand up to the most severe conditions including vibrations, impact, high humidity, and high temperature.

Administrator Software

## CTA-042

### Viewer functions

Offers unprecedented retrieval capability in a conventional viewer, while synchronizing all video images with map routes and velocity graph

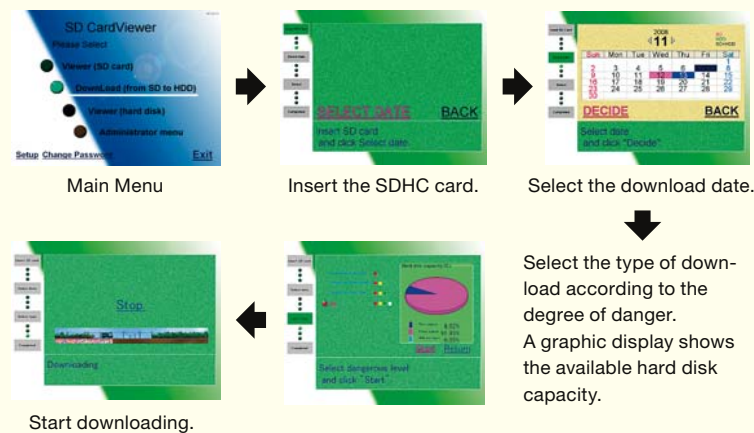
- Allows you to confirm images as well as driving conditions and locations as they are recorded.
- Sudden braking, abrupt starting, and abrupt steering are listed chronologically to enable retrieval of dangerous driving events. Turn signal and brake/door status are also displayed.
- Map routes and vehicle travelling data can be displayed in sync with video images.
- Velocity values are shown on a graphic display.
- Cockpit view features animated reproduction of driving conditions synchronized with the current on-screen images.



### Download wizard

Easy-to-view, easy-to-operate, user-friendly displays

- Data recorded on the SDHC card can be transferred to your PC's hard disk and stored for playback at anytime.



### Management functions

- Setting and administration of vehicle information such as vehicle names and vehicle numbers.
- Contact setting/danger degree setting.
- Setting operation parameters including recording conditions on SDHC card.
- Data tampering detection function.
- Password management function.



Note: CTA-042 screen displays are subject to change due to updating.