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› COMTEC HDR-021GH Drive Recorder User Manual

COMTEC HDR-021GH

COMTEC HDR-021GH Drive Recorder User Manual

Model: HDR-021GH | Brand: COMTEC

1. PRODUCT OVERVIEW

The COMTEC HDR-021GH is a compact, high-performance drive recorder designed for reliable in-car video recording. Manufactured in Japan, this device features GPS for location and speed data, a G-sensor for impact detection, and a 1.5-inch LCD for immediate playback. It is engineered with noise countermeasures to prevent interference with other in-car electronics.



Figure 1: Front view of the COMTEC HDR-021GH Drive Recorder with its mounting bracket.

2. KEY FEATURES

- **GPS Module:** Records vehicle speed and location information. Date and time are automatically corrected via GPS, eliminating manual setup.
- **G-Sensor:** Detects impacts and automatically saves the footage as impact recording data, preventing overwriting of critical event data. Impact sensitivity is adjustable across 11 levels (including OFF).
- **1.5-inch LCD Screen:** Allows for immediate playback and confirmation of recorded footage directly on the device. The screen also displays live recording, aiding in angle adjustment during installation.
- **Easy Playback Switch:** A dedicated switch allows for quick viewing of the most recently recorded footage. This switch can also be configured for manual recording.
- **Noise Countermeasures:** Designed to minimize interference with digital terrestrial broadcasting reception and car navigation GPS signals.
- **SD Card Check Function:** Upon startup, the device checks the microSDHC card for damage, preventing missed recordings due to card issues.

- **Dashboard Mounting Support:** The built-in G-sensor automatically detects the device's orientation (upright or inverted) and rotates the LCD display accordingly, allowing for flexible mounting on either the front windshield or dashboard.
- **Other Functions:** Voice recording, date/time information recording, backup function (saves recorded images even if power is cut), LED signal light compatibility, calendar/clock display, and emergency recording stop function.

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補償サービスとは
万が一の事故の際、**一律2万円**を弊社がお支払いするサービスです。

補償付 高性能ドライブレコーダー
HDR-021GH

超小型

**安心の
日本製**

**製品
3年保証**

常時録画 + Gセンサー + 液晶搭載 + GPS搭載

地デジ・ナビへのノイズ対策済
本製品は地デジの受信やナビのGPS受信などへの影響を抑えたノイズ対策を行なっています。(弊社基準)

液晶付&再生スイッチで即確認
最後に撮影した映像を再生スイッチでかんたん再生。本体の液晶でその場で確認できます。

Gセンサー搭載
Gセンサーが衝撃を検出し、衝撃録画データとして記録します。常時録画データと分別して保存します。

GPS搭載
自車の走行速度や位置情報を記録。専用のビューワソフトで地図表示も可能に!

安心の 日本製	製品 3年保証	補償サービス 2万円	100万 画素	15インチ 液晶	GPS 搭載	ノイズ 対策済	LED 信号機対応	録画・録音				再生 本体/テレビ/パソコン
								常時録画 エンジンON/OFFに連動	衝撃録画 Gセンサー搭載	マニュアル録画 録画スイッチ	音声録音 ON/OFF可	

Figure 2: Overview of the HDR-021GH's main features and benefits.

3. SETUP AND INSTALLATION

Proper installation ensures optimal performance and recording quality. The HDR-021GH can be mounted on the front windshield or dashboard.

3.1. Package Contents

Before installation, verify that all components are present:



Figure 3: Contents of the HDR-021GH package.

3.2. Mounting Options

The device supports two primary mounting positions:

- **Rearview Mirror Front Glass:** Provides a clear line of sight and minimizes obstruction.
- **Dashboard:** Offers easy access and a stable mounting point. The LCD automatically rotates for correct display.

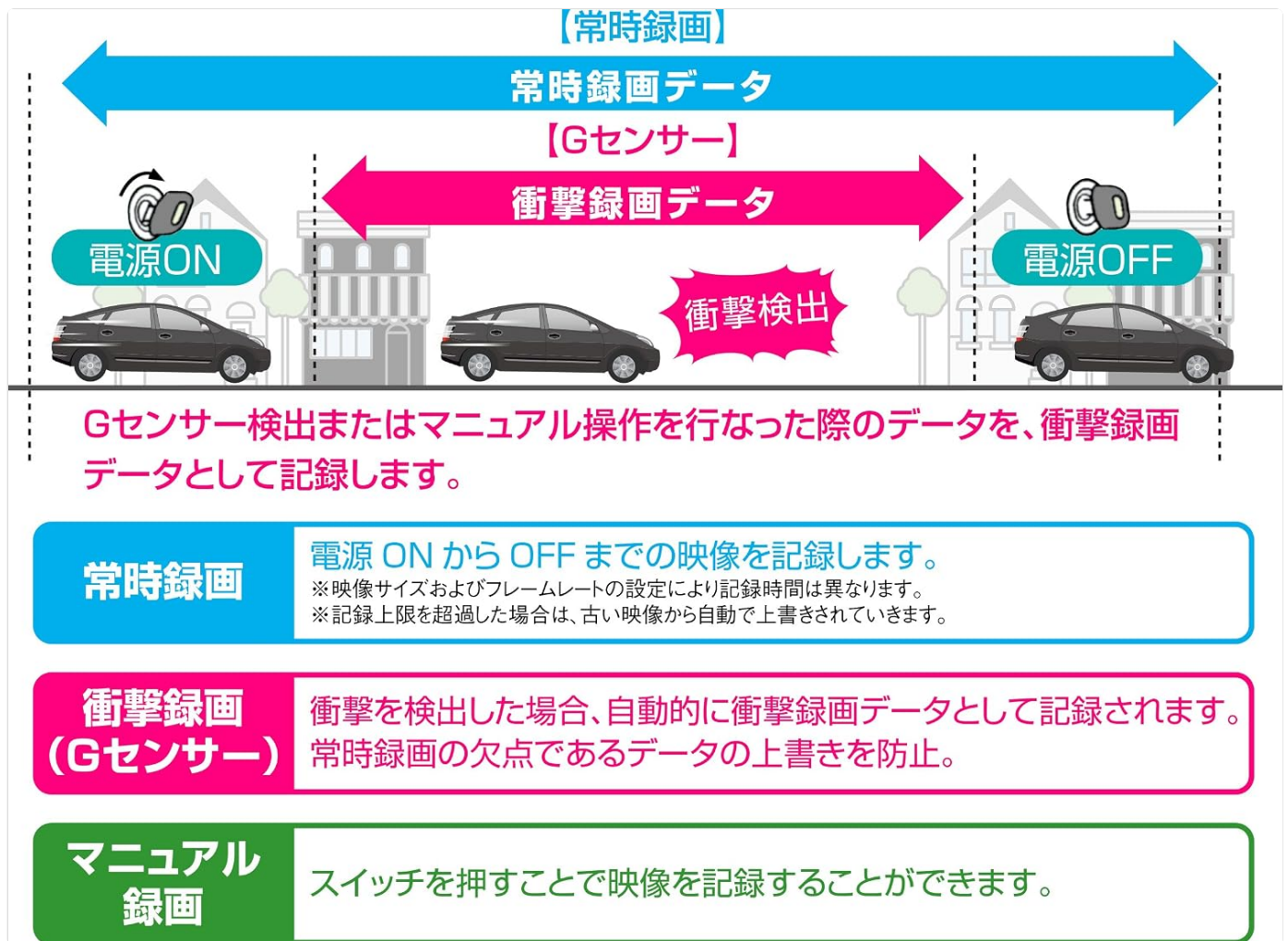


Figure 4: Mounting options for the HDR-021GH, with automatic LCD display inversion.

3.3. Installation Steps

Follow these steps for a secure installation:

1. **Attach the Device:** Secure the drive recorder to your chosen mounting location (windshield or dashboard) using the provided adhesive mount.
2. **Connect Power:** Insert the power cord into the device and route it discreetly along the vehicle's interior.
3. **Secure Wiring:** Use the provided clips to secure the power cable along the A-pillar and door molding, tucking it away from view.
4. **Connect to Power Outlet:** Route the cable to the vehicle's 12V power outlet (cigarette lighter socket) and plug it in.
5. **Insert MicroSD Card:** Ensure the microSDHC card is inserted correctly into the designated slot.

Your browser does not support the video tag.

Video 1: Detailed installation process for the COMTEC drive recorder, showing how to connect the power cord, route it along the A-pillar and door molding, and connect to the power socket.

4. OPERATING INSTRUCTIONS

The HDR-021GH offers multiple recording modes and easy playback options.

4.1. Recording Modes

The device supports three primary recording methods:

- **Continuous Recording:** Starts automatically when the engine is turned on and continues until the engine is turned off.
- **Impact Recording (G-Sensor):** When an impact is detected, the footage is automatically saved as separate impact data, preventing it from being overwritten by continuous recording.
- **Manual Recording:** Pressing the dedicated switch allows you to manually initiate a recording at any time.

ノイズ対策済み!

本製品は地デジの受信やナビのGPS受信などへの影響を抑えた、ノイズ対策を行なっています。(弊社基準)

コムテックのドライブレコーダー

未対応のドライブレコーダー

Figure 5: Explanation of the three recording methods: continuous, impact (G-sensor), and manual.

4.2. Playback and Review

Recorded footage can be reviewed directly on the device, via PC, or connected to a car navigation system or TV.

- **On-Device Playback:** Use the 1.5-inch LCD and the easy playback switch to quickly review the last recorded video or navigate through saved files.
- **PC Playback:** Remove the microSDHC card and insert it into a computer. Use the dedicated viewer software (included on the microSDHC card) to review footage, including GPS data and G-sensor readings.
- **Car Navigation/TV Playback:** Connect the device to a compatible car navigation system or TV using an optional AV cable for larger screen viewing.

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Video 2: Demonstration of the HDR-021GH's features, including objective recording for accident clarification, three recording methods, high-quality video, and various playback options.

5. PRODUCT SPECIFICATIONS

Feature	Specification
Recording Method	Continuous recording / 3-axis acceleration sensor / Manual switch recording
Power Supply	12V
Mounting Position	Rearview mirror front glass / Dashboard

Feature	Specification
Camera Pixels	Approx. 1 million pixels CMOS camera
Camera Angle	Diagonal 134° (Horizontal 108° / Vertical 63°)
Recording Image Size	HD (1280 × 720) / SD (640 × 360)
LCD Size	1.5 inch TFT
LCD Resolution	160 × 240
Recording Media	microSDHC card (4GB) included
Recording Time	30-360 minutes (with included microSDHC card)
Frame Rate	30/20/10fps
Image Confirmation Method	Main unit LCD / PC / TV
Body Size	83(W) × 45(H) × 22.8(D) mm

取付方法は2タイプ

液晶画面を見ながら取付出来るので、調整も簡単に行えます。



Figure 6: The compact size of the HDR-021GH, approximately 7 cm (2.9 inches) in height.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your drive recorder.

- **MicroSD Card Management:** Periodically format the microSDHC card (e.g., once a month) to maintain optimal recording performance and prevent data corruption. Replace the card if it shows signs of wear or error messages.
- **Lens Cleaning:** Gently clean the camera lens with a soft, dry cloth to ensure clear video quality. Avoid abrasive materials or harsh chemicals.
- **Device Cleaning:** Wipe the exterior of the device with a soft, damp cloth. Do not use solvents or alcohol.
- **Firmware Updates:** Check the COMTEC official website periodically for any available firmware updates to ensure your device has the latest features and bug fixes.

7. TROUBLESHOOTING

If you encounter issues with your HDR-021GH, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
Device does not power on.	Check the power cable connection to the device and the car's power outlet. Ensure the vehicle's ignition is on.
Recording stops unexpectedly.	The microSDHC card may be full or corrupted. Format the card or replace it. Ensure the SD card check function is enabled.
Video quality is poor or blurry.	Clean the camera lens. Ensure the protective film has been removed. Check the recording resolution settings.
GPS signal is not acquired.	Ensure the device has a clear view of the sky. Avoid mounting near metallic objects that may block the signal. Allow a few minutes for initial signal acquisition.
Interference with other car electronics.	The device has noise countermeasures. If interference persists, ensure proper grounding and cable routing.

8. WARRANTY AND SUPPORT

The COMTEC HDR-021GH comes with a **3-year product warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

8.1. Compensation Service

This product includes a unique compensation service. In the event of an accident, COMTEC will provide a uniform payment of 20,000 JPY within one year of registration. To avail this service, please register your product within one month of purchase using the included registration postcard or through the official COMTEC website.

8.2. Contact Support

For further assistance, technical support, or warranty inquiries, please visit the official COMTEC website or contact their customer service department. Refer to the warranty card included in your package for specific contact details.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question