

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

Manuals.plus /

› [laiyonggr](#) /

› Novatek 1080P Car DVR Camera User Manual

laiyonggr laiyong1987

Novatek 1080P Car DVR Camera User Manual

Model: **laiyong1987** | Brand: **laiyonggr**

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Novatek 1080P Car DVR Camera. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize its performance. This DVR is designed to provide reliable video recording for your vehicle, enhancing driving safety and providing evidence in case of incidents.

2. PRODUCT OVERVIEW AND FEATURES

The Novatek 1080P Car DVR Camera is a high-definition vehicle recording device equipped with advanced features for comprehensive road surveillance.

Key Features:

- **High-Definition Video Recording:** Records in 1080P HD resolution (1920*1080 pixels) with options for 1K, 2K, or 4K front camera resolution and optional 720P or 1K rear camera resolution.
- **Wide-Angle Lens:** Features a 170-degree wide-angle lens with an F2.0 large aperture for capturing a broader view of the road.
- **Advanced Sensor:** Equipped with a 12-megapixel sensor (IMX307, with IMX307335 option) and a six-layer advanced coated lens for clear image capture.
- **Loop Recording:** Supports continuous loop recording, automatically overwriting older files when the memory card is full, ensuring continuous operation.
- **G-Sensor (Collision Detection):** Integrated 3-axis solid collision acceleration transducer automatically locks and saves video footage during sudden impacts or collisions.
- **24-Hour Parking Guard:** Operates in a low-power, low-frame rate recording mode when the car is off, providing continuous surveillance with minimal battery consumption.
- **Mobile App Control:** Supports APP control via IP for Android phones and Android car DVD navigation systems, allowing for video sharing and remote management.
- **Automatic Operation:** Features automatic power on/off with the car ignition and synchronous recording.
- **Night Vision:** Capable of working in low-light conditions for enhanced night recording.
- **WDR Support:** Wide Dynamic Range support for improved image quality in varying light conditions.

- **Motion Detection:** Supports motion detection (note: this feature is described as "weak" in the product description).
- **Memory Support:** Supports up to 128GB TF card (Class 10+ recommended).

Product Images:



Image 1: Front view of the Novatek Car DVR Camera, showcasing its compact design and primary lens. This image highlights the main body and the camera's forward-facing aspect.



Image 2: Side profile of the Car DVR Camera, illustrating its elongated shape designed for discreet integration within a vehicle's interior. This view emphasizes the mounting arm and overall form factor.



Image 3: Rear view of the Car DVR Camera, showing the back casing and ventilation details. This perspective provides a clearer look at the device's construction from the driver's side.



Image 4: Diagram illustrating the key dimensions of the Car DVR Camera. The image shows measurements of approximately 118mm (length), 80mm (width of main body), 112mm (total length including mounting arm), and 33mm (height/thickness). These

dimensions are crucial for assessing compatibility with vehicle interiors.

3. SPECIFICATIONS

Feature	Specification
Model	laiyong1987
Sensor	IMX307 (IMX307335 optional) / Novatek 96562 (96565/96670/96675 optional)
Front Camera Resolution	1K (1920*1080 pixels), 2K or 4K optional
Rear Camera Resolution	Optional (720P or 1K)
Frames Per Second (FPS)	30
Camera Angle	170 degrees wide angle
Aperture	F2.0
Video Encoding Format	H.264 / HD MOV
Memory Card Support	Max 128GB TF card (Class 10+ recommended)
G-Sensor	3-axis solid collision acceleration transducer
White Balance	Automatic
OSD Language	English, Japanese, French, Spanish, German, Portuguese, Italian, Traditional Chinese, Simplified Chinese
App Language	English
Item Weight	50 g
Package Dimensions	2.54 x 2.54 x 2.54 cm

4. SETUP AND INSTALLATION

Proper installation ensures optimal performance and safety. While specific vehicle models may vary, the general steps are as follows:

- Choose Mounting Location:** Select a location on your windshield that does not obstruct your view of the road, typically behind the rearview mirror. Ensure the camera lens has a clear, unobstructed view.
- Clean Surface:** Thoroughly clean the chosen area on the windshield with an alcohol wipe and let it dry completely.
- Attach DVR:** Remove the protective film from the adhesive mount (if applicable) and firmly press the DVR onto the cleaned windshield surface. Hold for at least 30 seconds to ensure a strong bond.
- Route Power Cable:** Carefully route the power cable along the edge of the windshield, down the A-pillar, and towards your vehicle's 12V power outlet (cigarette lighter socket) or fuse box. Use cable clips or tuck the cable into trim gaps for a neat installation.
- Insert Memory Card:** Before powering on, insert a Class 10 or higher TF (microSD) card (up to 128GB) into the designated memory card slot on the DVR. Ensure it is inserted correctly until it clicks into place.
- Connect Power:** Plug the power adapter into the vehicle's 12V power outlet and connect the other end to the DVR.

7. **Initial Power On:** Start your vehicle. The DVR should automatically power on and begin recording. Adjust the camera angle as needed to capture the desired field of view.

8. **App Installation (Optional but Recommended):**

- Download the official mobile application (check product packaging or manufacturer's website for QR code or app name) from your Android phone's app store.
- Connect your phone to the DVR's Wi-Fi network (SSID and password usually found on the device or in the manual).
- Use the app to configure settings, view live footage, and download recorded videos.

5. OPERATING INSTRUCTIONS

Understanding the core functions of your DVR will help you utilize its full potential.

5.1 Automatic Recording

Once powered on, the DVR will automatically begin continuous loop recording. Video files are saved in segments (e.g., 1, 3, or 5 minutes) to the memory card. When the card is full, the oldest unlocked files will be overwritten by new recordings.

5.2 G-Sensor (Emergency Recording)

The built-in G-sensor detects sudden impacts or rapid acceleration/deceleration. When triggered, it automatically locks the current video segment, preventing it from being overwritten by loop recording. These locked files are typically stored in a separate "Event" or "Emergency" folder on the memory card.

5.3 24-Hour Parking Guard

This feature provides surveillance even when your vehicle is parked and the engine is off. The DVR enters a low-power, low-frame rate recording mode. If motion or impact is detected (via G-sensor), it will wake up and record a short video clip. Ensure your vehicle's power outlet provides continuous power or the DVR is hardwired for this feature to function effectively.

5.4 Mobile App Usage

The mobile application provides convenient access to your DVR's functions:

- **Live View:** Stream real-time video from the DVR to your smartphone.
- **Playback:** Browse and play back recorded videos directly on your phone.
- **Download:** Download important video clips from the DVR to your phone's storage.
- **Settings:** Adjust DVR settings such as video resolution, G-sensor sensitivity, loop recording duration, and parking guard mode.
- **Sharing:** Share video clips directly to social media platforms (if supported by the app).

Refer to the specific mobile application's help section for detailed instructions on its interface and features.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your DVR.

- **Memory Card Formatting:** It is recommended to format the memory card within the DVR at least once a month to prevent data corruption and ensure smooth recording. Back up any important files before formatting.
- **Lens Cleaning:** Gently wipe the camera lens with a soft, lint-free cloth to remove dust or smudges. Do not use abrasive cleaners.
- **Firmware Updates:** Periodically check the manufacturer's website or the mobile app for available firmware updates. Keeping the firmware updated can improve performance and add new features.
- **Temperature Considerations:** Avoid exposing the DVR to extreme temperatures for prolonged periods. While designed for automotive use, excessive heat or cold can affect its lifespan.

- **Cable Management:** Ensure all cables are securely routed and not pinched or damaged, which could lead to power issues.

7. TROUBLESHOOTING

If you encounter issues with your DVR, refer to the following common problems and solutions:

Problem	Possible Cause / Solution
DVR does not power on.	<ul style="list-style-type: none"> • Check if the power cable is securely connected to both the DVR and the vehicle's power outlet. • Verify if the vehicle's 12V power outlet is functioning (e.g., by plugging in another device). • Check the vehicle's fuse for the 12V outlet.
Recording stops or freezes.	<ul style="list-style-type: none"> • The memory card may be full or corrupted. Format the card (after backing up data). • Ensure you are using a Class 10 or higher TF card. Lower class cards may not keep up with the write speed. • The memory card may be faulty. Try a new, reputable brand memory card.
Video quality is poor or blurry.	<ul style="list-style-type: none"> • Clean the camera lens with a soft cloth. • Ensure the protective film has been removed from the lens. • Check if the resolution setting in the app is set to the desired quality (e.g., 1080P). • Verify that the windshield area in front of the camera is clean.
G-sensor is too sensitive/not sensitive enough.	<ul style="list-style-type: none"> • Adjust the G-sensor sensitivity setting via the mobile application.
Cannot connect to the mobile app.	<ul style="list-style-type: none"> • Ensure the DVR's Wi-Fi is enabled. • Verify you are connecting to the correct Wi-Fi network (SSID) and entering the correct password. • Restart both the DVR and your smartphone. • Ensure the app is updated to the latest version.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your purchase or contact the retailer/manufacturer directly. Keep your proof of purchase for warranty claims.

For further assistance, you may visit the manufacturer's official website or contact their customer service department. Please have your product model number (laiyong1987) and purchase details ready when seeking support.

