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VANBAR 12"2.5k+1080P

VANBAR 12-inch 2.5K Mirror Dash Cam User Manual

Model: 12"2.5k+1080P

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VANBAR 12-inch 2.5K Mirror Dash Cam. Please read this manual thoroughly before using the product to ensure proper function and safety. Keep this manual for future reference.

SAFETY INFORMATION

- Always use the dedicated power cord provided by VANBAR. Using other power cords may cause battery swelling or malfunction due to exceeding the rated voltage of 3.7V.
- Ensure the dash cam is securely mounted and does not obstruct the driver's view or interfere with vehicle safety features.
- Do not expose the device to extreme temperatures, direct sunlight for prolonged periods, or excessive moisture.
- Avoid disassembling or modifying the device, as this will void the warranty and may cause damage or injury.
- Regularly check the device for any signs of damage or malfunction. If issues arise, contact customer support.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- VANBAR 12-inch Mirror Dash Cam Unit
- Waterproof Rear Camera
- 32GB SD Card
- Cigarette Lighter Power Adapter
- GPS Module
- Anti-reflection Film
- Rubber Bands (for mounting)
- Wiring Pry Tool
- Alcohol Cleaner & Cleaning Cloth
- User Manual (Japanese)

- Recording Sticker



Image: All components included in the VANBAR 12-inch 2.5K Mirror Dash Cam package.

PRODUCT FEATURES

- **12-inch Super Wide Digital Inner Mirror:** Displays high-quality images from the 140-degree wide-angle rear camera, offering approximately 3 times wider field of view than traditional rearview mirrors. Features a right-side camera placement optimized for Japanese roads. Includes a dedicated anti-reflection film.
- **SuperView Image Processing & Touch Screen:** Utilizes SuperView image enhancement technology for rich color reproduction and a display resolution of 1920x480px. Swipe up/down on the screen to adjust front/rear camera angles, and swipe left/right to adjust screen brightness.
- **Sony IMX415 Sensor & Super Night Function:** Equipped with a Sony IMX415 sensor, enabling simultaneous high-quality recording: Front 2.5K Full HD + Rear 1080P Full HD. STARVIS compatibility ensures clear images even in low-light conditions, outperforming standard dash cams. Supports vertical/horizontal image flip settings for flexible rear camera installation.
- **GPS Function & 24-Hour Parking Monitoring:** Records vehicle speed and direction along with video data. Playback on a PC allows tracking of driving routes (requires internet connection for map data). Features a built-in battery for emergency recording during parking monitoring, automatically locking impact footage.
- **Backup Assist Function:** Automatically displays the rear camera view with adjustable guidelines when reversing. The adjusted angle is saved for subsequent use.
- **Japanese Signal Light & Noise Reduction:** Front camera frame rate (27.5fps) is set to avoid flickering with Japanese LED traffic lights. Designed with noise reduction measures for the circuit board, lens, rear camera, and power cable to minimize interference with digital TV reception and GPS signals.

2.5K

12インチ2.5Kタッチパネル 音声コントロール&右側カメラ



2.5K 高画質



バックガイド
ライン



GPS機能



音声制御



Gセンサー



駐車監視



12インチ



衝突録画



電話アフ
ターサービス

Image: Voice control feature in use, allowing hands-free operation while driving.

スマート日本育声コントロール



12インチIPS液晶タッチパネル



指先で上下にスライドすると、視野角度を調整する可能です。



ボタンを押した後、指先で左右にスライドすると、明るさを調整する可能です。



右から左にスライドして、フロントカメラ画面、リアカメラ画面
2画面モードを切り替えます。



スクリーンオフ (ミラーとして使用する時もキレイに反射します)

Image: Front and rear camera angle adjustment and image flip options.

2.5K高画質レンズ



Image: High-performance AI chip for smooth recording and playback.

SETUP

1. Main Unit Installation

1. Attach the main mirror dash cam unit over your vehicle's existing rearview mirror using the provided rubber bands. Ensure it is securely fastened and does not vibrate.
2. Apply the anti-reflection film to the dash cam screen if desired, following the instructions provided with the film.

2. Rear Camera Installation

1. Choose an installation location for the waterproof rear camera. Common locations include above the license plate or inside the rear window.
2. Route the rear camera cable from the rear of the vehicle to the main unit, ensuring it is tucked away safely and does not interfere with moving parts or airbags. Use the pry tool to assist with cable routing.
3. Connect the rear camera cable to the designated port on the main unit.
4. For the backup assist function, connect the red wire from the rear camera cable to your vehicle's reverse light positive wire.

高性能AIチップ



最新チップ搭載、より低消費のクラフトと構築を採用し、
録画と再生がよりスムーズに実現しました。

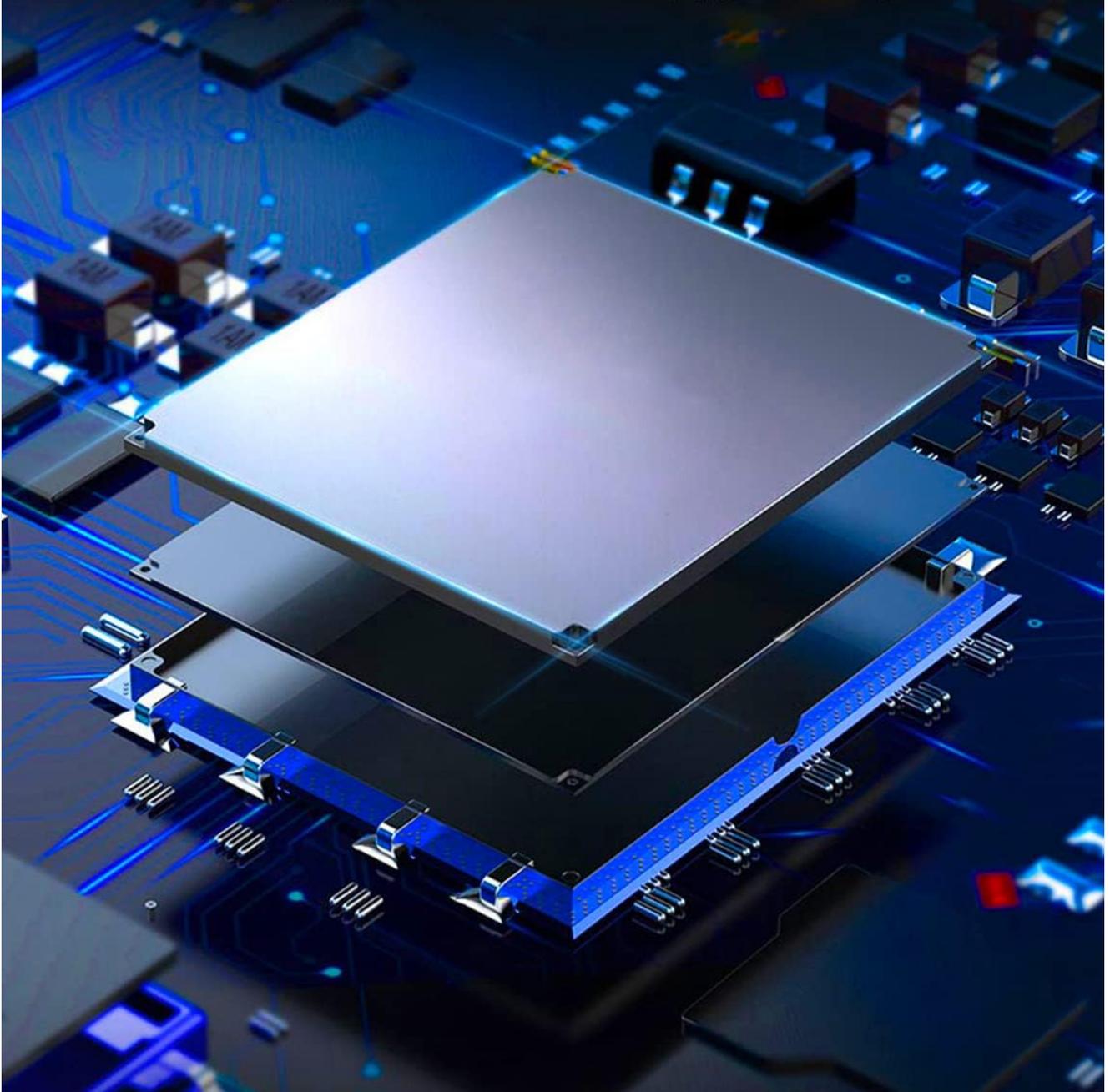


Image: Waterproof rear camera.

3. GPS Module Connection

1. Attach the GPS module to the windshield in a location that has a clear view of the sky, typically near the main unit.
2. Connect the GPS module cable to the corresponding port on the main unit.

30 以上の設定が可能 お好みにカスタマイズできます



HD 2.5K解像度	前 後 前後同時表示可能	VANBAR VANBAR VANBAR VANBAR リアカメラ颠倒、鏡像
音声コントロール	GPS	反射防止フィルム付き
12" IPS 12英寸大触屏	LED信号対応	24時間駐車監視
ループ録画	Gセンサー	32GB カード付属
ソニーIMX415センサー	ガイドライン調整可能	前後カメラともHDR WDR機能付き

Image: GPS module.

4. Power Connection

1. Insert the provided cigarette lighter power adapter into your vehicle's 12V power outlet.
2. Connect the power cable from the adapter to the main unit. Route the cable neatly to avoid obstruction.

5. SD Card Insertion

1. Insert the provided 32GB SD card into the SD card slot on the main unit. Ensure it clicks into place.

2. It is recommended to format the SD card within the dash cam settings before first use and periodically thereafter.

OPERATING INSTRUCTIONS

1. Power On/Off

- The dash cam will automatically power on and begin recording when the vehicle engine starts.
- It will automatically power off when the engine is turned off.
- To manually power on/off, press and hold the power button on the device.

2. Voice Control

The device supports Japanese voice commands for hands-free operation. Speak clearly and directly to the device.

- " " (Record Start): Begin recording.
- " " (Record End): Stop recording.
- " " (Take Photo): Capture a still image.
- " " (Monitor On): Turn the screen on.
- " " (Monitor Off): Turn the screen off.
- " " (Front Camera): Switch to front camera view.
- " " (Back Camera): Switch to rear camera view.
- " " (Lock On Start): Start emergency lock recording.
- " " (Lock On End): Stop emergency lock recording.

3. Touch Screen Gestures

- **Swipe Up/Down:** Adjust the vertical viewing angle of the front or rear camera on the screen. This allows you to see a wider range regardless of the camera's physical mounting position.
- **Swipe Left/Right:** Adjust the screen brightness.
- **Tap:** Access menu options or switch between front/rear camera views.

4. Loop Recording

The dash cam records video in continuous loops. When the SD card is full, the oldest unlocked files will be overwritten automatically. This ensures continuous recording without manual intervention.



Image: Loop recording function illustration.

5. G-Sensor (Impact Recording)

The built-in G-sensor detects sudden impacts or collisions. When an impact is detected, the current video segment is automatically locked and saved to prevent it from being overwritten by loop recording. This feature helps preserve critical evidence in case of an accident.



Image: Impact recording (G-sensor) function.

6. Parking Monitoring

With the engine off, the dash cam's internal battery allows it to detect impacts and automatically start recording. This provides surveillance for your parked vehicle. For continuous 24-hour parking monitoring, a dedicated hardwire kit (sold separately or available upon request) is recommended.

7. GPS Playback on PC

To view recorded videos with GPS data (speed, direction, route), you can use a dedicated player on your computer.

- **Windows Player:** Download from <http://www.sunningsoft.com/en/pcgps.html>
- **Mac Player:** Search for "GXplayer" in the App Store.

Note: An internet connection is required for map data display during GPS playback.



Image: GPS function playback on a computer.

MAINTENANCE

1. Cleaning

- Use the provided cleaning cloth or a soft, dry cloth to wipe the screen and lens.
- For stubborn smudges, use the alcohol cleaner sparingly on the cloth, not directly on the device.

- Ensure the rear camera lens is clean for optimal image quality, especially after driving in adverse weather.

2. SD Card Management

- Format the SD card regularly (e.g., once a month) through the dash cam's settings menu to maintain optimal recording performance and prevent data corruption.
- Replace the SD card if you experience frequent recording errors or if the card is old.

3. Battery Care

- Always use the VANBAR-supplied power cord. Using non-dedicated power cords with voltage exceeding 3.7V can cause the internal battery to swell and become unusable.
- Avoid leaving the device in direct sunlight in a parked car for extended periods, especially in hot climates, to prevent battery degradation.

TROUBLESHOOTING

Problem	Possible Cause / Solution
Device does not power on.	Check power connection. Ensure the cigarette lighter adapter is firmly inserted and the vehicle's 12V outlet is functional. Verify the power cable is connected to the dash cam.
Recording stops or files are corrupted.	Format the SD card. Ensure the SD card is a high-speed Class 10 or U3 card. Replace the SD card if the issue persists.
Voice control is not responding or misinterpreting commands.	Speak clearly and at a moderate volume. Reduce background noise. Ensure the microphone is not obstructed. Adjust voice control sensitivity in settings if available.
Screen is too dark/bright or has glare.	Adjust screen brightness by swiping left/right on the screen. Ensure the anti-reflection film is properly applied.
GPS signal is weak or not acquired.	Ensure the GPS module is mounted with a clear view of the sky. Avoid placing it under metallic tints or other obstructions.
Parking monitoring is not activating.	Ensure the G-sensor sensitivity is set appropriately. For continuous 24-hour monitoring, a hardwire kit is required.
Rear camera image is upside down or mirrored.	Adjust the image flip settings (vertical/horizontal) in the dash cam's menu to match your installation.

SPECIFICATIONS

Feature	Detail
Screen Size	12 inches
Display Type	LCD
Front Camera Resolution	2.5K (2560x1440)

Feature	Detail
Rear Camera Resolution	1080P (1920x1080)
Front Lens Angle	170° Wide Angle
Rear Lens Angle	140° Wide Angle
Sensor	Sony IMX415
Storage	Supports up to 32GB SD card (included)
Connectivity	USB
Special Features	Loop Recording, Built-in GPS, G-Sensor, Parking Monitoring, Voice Control, HDR/WDR, Japanese Signal Light Compatibility
Mounting Type	Adhesive Mount
Product Dimensions	5.08 x 10.16 x 10.16 cm; 1 kg (approximate)
Color	Black

WARRANTY AND SUPPORT

VANBAR offers a 3-year quality warranty for this product. In case of any issues or defects, please contact our customer support team. We are committed to providing excellent service and will respond to inquiries within 24 hours (excluding weekends).

Contact Information:

Please refer to the last page of the included Japanese user manual for specific contact details, including our LINE ID for support inquiries.

For PC playback software, please visit the links provided in the Operating Instructions section.

Note: The warranty is valid only for purchases made on Amazon. Resale is not covered.