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VSYSTO P6-4.0 Evolution Version

VSYSTO P6-4.0 Evolution Motorcycle Dash Cam User Manual

Model: P6-4.0 Evolution Version

Brand: VSYSTO

1. INTRODUCTION

Thank you for choosing the VSYSTO P6-4.0 Evolution Motorcycle Dash Cam. This device is designed to provide reliable video recording for your motorcycle, enhancing safety and providing evidence in case of incidents. It features front and rear cameras, a Sony IMX307 STARVIS sensor for superior low-light performance, 1080P Full HD recording, WiFi connectivity, GPS tracking, HDR/WDR image correction, and a G-sensor for automatic emergency recording. Please read this manual thoroughly before installation and operation to ensure proper use and optimal performance.

2. PRODUCT OVERVIEW

The VSYSTO P6-4.0 Evolution Dash Cam system includes a main unit with a 2-inch display, front and rear cameras, a wired remote control, a GPS module, and necessary power cables. The system is designed to be waterproof and durable for motorcycle use.

Key Features:

- **Front & Rear 1080P Full HD Recording:** Captures clear video from both directions.
- **Sony IMX307 STARVIS Sensor:** Provides excellent low-light night vision capabilities.
- **170° Ultra Wide Angle Lens:** Offers a broad field of view to capture more of the road.
- **HDR/WDR Function:** Corrects overexposure and underexposure for balanced images in varying light conditions.
- **2-inch Display:** Compact screen for real-time viewing and settings adjustment.
- **WiFi Connectivity:** Connects to a smartphone app for video review, sharing, and settings management.
- **GPS Module:** Records location, speed, and synchronizes time automatically.
- **G-Sensor:** Automatically triggers emergency recording upon impact.
- **Wired Remote Control with Vibration Reminder:** Allows manual recording/photo capture and alerts

the rider if recording stops unexpectedly.

- **Engine Linkage (Automatic Recording):** Starts recording automatically when the engine is on.
- **Loop Recording:** Overwrites the oldest files when the SD card is full.
- **Parking Monitoring:** Records 30-second video clips if vibration or impact is detected while parked.
- **Waterproof Design:** All components are designed to withstand various weather conditions.
- **High Temperature Protection:** Utilizes a supercapacitor for enhanced durability and safety in extreme temperatures.

The advertisement features a central graphic of the Sony IMX307 sensor chip and a lens assembly. The sensor chip is labeled 'SONY SONG307'. The lens assembly is labeled 'STARVIS' and includes several optical elements with the following Japanese labels: '高い光透過率' (High light transmittance), 'シャープネス向上' (Sharpness improvement), 'ねじれ補正' (Distortion correction), '色彩補正' (Color correction), '散乱光止め' (Scattered light stop), '光線補正' (Light correction), and '光線収束' (Light focusing). To the left, a badge indicates '高性能' (High performance) and 'Full HD 1080p'. Below the main graphic are two side-by-side images of a white Bentley Continental GT. The left image shows the car with HDR/WDR processing, resulting in a clear, detailed view of the rear. The right image shows the car without HDR/WDR processing, resulting in a washed-out, less detailed view. The text below the images reads: '前後カメラともHDR/WDR機能を搭載' (Both front and rear cameras equipped with HDR/WDR function) and 'HDR/WDR機能あり、HDR/WDR機能なし' (HDR/WDR function on, HDR/WDR function off).

Figure 2.1: Main unit, cameras, and remote control.

3. PACKAGE CONTENTS

Please check the package to ensure all items are present:

- Dash Cam Main Unit (with 2-inch display)
- Front Camera
- Rear Camera
- Wired Remote Control

- GPS Module
- Power Cable
- Camera Extension Cables
- Mounting Brackets and Adhesives
- User Manual (Japanese)

4. INSTALLATION GUIDE

Proper installation is crucial for the dash cam's performance and durability. It is recommended to have the installation performed by a professional if you are unsure.

4.1 Mounting the Main Unit

1. Choose a secure, dry location for the main unit, such as under the seat or in a storage compartment, away from direct heat and moisture.
2. Ensure the display is accessible for initial setup and occasional checks.
3. Use the provided adhesive pads or brackets to secure the main unit.

駐車監視機能搭載

駐車中で振動や衝突を検知すると自動的に電源を入れて30秒間の映像を録画します。オートバイクの電源を切ると駐車中も記録を行き、15分/30分/1時/2時/3時間を設定でき、いたずらにも対応



ここが重要!

- ①電源コードを取り付けた後、オートバイクのエンジンをオンにすると、ドラレコが作動します。
- ②エンジンがオフになると、プログレスバーが本体のシャットダウンを完了します。シャットダウン中は本体とモーターサクルに触れないでください。

Figure 4.1: Main unit with cable connections.

4.2 Camera Installation

1. **Front Camera:** Mount the front camera in a position that provides a clear, unobstructed view of the road ahead. Common locations include the front fairing or handlebar.
2. **Rear Camera:** Mount the rear camera to capture the view behind your motorcycle. The license plate area or rear fender are typical mounting points.
3. Ensure both cameras are securely attached and their lenses are clean.



Figure 4.2: Examples of camera mounting positions.

4.3 GPS Module Installation

1. Mount the GPS module in a location with a clear view of the sky, free from metal obstructions that could interfere with the signal. The handlebar or dashboard are suitable.
2. Connect the GPS module to the main unit.

スマホ連携&GPS機能

VSYSTOオートバイ用ドライブレコーダーはGPSモジュールを付きましたが、走行時のルートデータや車速も記録でき、有力な動かぬ証拠として活用できます。



Figure 4.3: GPS module placement.

4.4 Wired Remote Control Installation

1. Mount the wired remote control in an easily accessible location on your handlebar.
2. Ensure the buttons are within reach for quick operation.

録り逃しリマインダー機能

録画モードで異常な時に「カメラ画面がない」「録画ファイル保存しない」など問題場合は、リモコンが振動し続けます。ドラレコが正常に録画していないことが表示されます。インストールを確認してください。



Figure 4.4: Wired remote control.

4.5 Wiring

1. Connect the front and rear cameras, GPS module, and wired remote control to the main unit using the provided cables.
2. Connect the power cable to the main unit. The power cable typically has three wires: positive (red), negative (black), and ACC (yellow).
3. Connect the red wire to the battery's positive terminal, the black wire to the battery's negative terminal or chassis ground, and the yellow ACC wire to a switched power source that turns on and off with the ignition.
4. Route all cables neatly and securely, avoiding moving parts or heat sources. Use cable ties to prevent tangling.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off and Automatic Recording

The dash cam is designed for engine linkage. When the ACC power is connected, the device will automatically power on and begin recording when your motorcycle engine starts. It will automatically power off and save

recordings when the engine is turned off.

5.2 Inserting/Removing the SD Card

1. Ensure the device is powered off before inserting or removing the SD card.
2. Locate the SD card slot on the main unit.
3. Insert the SD card with the contacts facing the correct direction until it clicks into place.
4. To remove, gently push the SD card until it pops out.

5.3 Basic Recording Modes

- **Loop Recording:** The device continuously records video in segments (e.g., 1, 2, or 3 minutes). When the SD card is full, the oldest unlocked files are automatically overwritten.
- **G-Sensor (Impact Recording):** If the G-sensor detects a sudden impact or collision, it will automatically lock the current video segment, preventing it from being overwritten. The sensitivity of the G-sensor can be adjusted in the settings.
- **Manual Recording:** Press the designated button on the wired remote control to manually lock the current recording segment.

5.4 Wired Remote Control Functions

The wired remote control provides convenient access to key functions:

- **Recording Status Indicator:** An LED light on the remote indicates the recording status.
- **Vibration Reminder:** If the dash cam stops recording due to an SD card error or camera disconnection, the remote will vibrate continuously to alert you.
- **Manual Video Lock:** Short press a button to lock the current video file.
- **Photo Capture:** Long press a button to take a still photo.

録り逃しリマインダー機能

録画モードで異常な時に「カメラ画面がない」「録画ファイル保存しない」など問題場合は、リモコンが振動し続けます。ドラレコが正常に録画していないことが表示されます。インストールを確認してください。



Figure 5.1: Wired remote control functions.

6. ADVANCED FEATURES

6.1 WiFi Connectivity and App Control

Connect your smartphone to the dash cam via WiFi to access advanced features:

1. Download the dedicated VSYSTO app from your smartphone's app store (available for iOS and Android).
2. Turn on the dash cam's WiFi function (refer to the main unit's menu settings).
3. Connect your smartphone to the dash cam's WiFi network (SSID and password can be found in the dash cam's settings or manual).
4. Use the app to view live footage, review recorded videos, download files to your phone, and adjust device settings.



Figure 6.1: Smartphone app interface for WiFi control.

6.2 GPS Functionality

The integrated GPS module provides valuable data:

- **Time Synchronization:** Automatically sets the correct date and time for your recordings.
- **Location & Speed Data:** Records your motorcycle's position and speed, which can be viewed using the dedicated PC viewer software along with the video footage.



Figure 6.2: GPS data displayed with video footage.

6.3 Parking Monitoring

When the motorcycle is parked and the ignition is off, the dash cam can enter parking monitoring mode. If the G-sensor detects vibration or impact, it will automatically power on and record a short video clip (e.g., 30 seconds) to capture potential incidents. This feature provides added security for your parked motorcycle.

2インチ液晶モニター (全体防水)

ディスプレイ付きだから決定的瞬間もその場ですぐ確認可能!

ネジ

リアカメラ
電源コード
有線リモコン
前カメラ

使用マニュアル

メニューボタン:	メニューを開き/終了する
前へ:	カーソル(前へ)移動
次へ:	画面表示モードを切り替え、カーソル(次へ)移動
確定ボタン:	録画の開始/停止する

メニュー/戻る 次へ/表示モード切替

SDカードスロット 前へ 確定/一時停止

エンジン連動

ループ録画

Gセンサー搭載

手動録画

Figure 6.3: Parking monitoring in action.

6.4 HDR/WDR and Night Vision

The dash cam utilizes HDR (High Dynamic Range) and WDR (Wide Dynamic Range) technology along with the Sony IMX307 STARVIS sensor to ensure clear video quality in challenging lighting conditions, such as bright daylight, tunnels, or low-light environments. This minimizes overexposed bright areas and underexposed dark areas.



Figure 6.4: Comparison of day and night recording quality.

7. MAINTENANCE

7.1 SD Card Management

- **Formatting:** It is recommended to format the SD card regularly (e.g., once a month) to maintain optimal performance and prevent data corruption. This can usually be done through the dash cam's menu settings or via the smartphone app.
- **Capacity:** The device supports up to 256GB SD cards. Ensure you use a high-quality, high-speed (Class 10 or U3 recommended) SD card.

7.2 Cleaning

- **Lenses:** Regularly clean the camera lenses with a soft, lint-free cloth to ensure clear recordings. Avoid abrasive materials that could scratch the lenses.
- **Main Unit:** Wipe the main unit with a damp cloth. Do not use harsh chemicals.

8. TROUBLESHOOTING

If you encounter any issues, please refer to the following common problems and solutions:

Problem	Possible Solution
Device does not power on.	Check power cable connections. Ensure the ACC wire is connected to a switched power source. Verify battery voltage.
No recording / Remote vibrates continuously.	Check if the SD card is inserted correctly and formatted. Ensure cameras are properly connected. The remote's vibration indicates a recording error.
Poor video quality.	Clean camera lenses. Ensure cameras are securely mounted and not vibrating excessively. Check resolution settings.
GPS signal not found.	Ensure the GPS module is mounted in an open area with a clear view of the sky. Avoid metal obstructions.
WiFi connection issues.	Ensure WiFi is enabled on the dash cam. Restart both the dash cam and your smartphone. Check WiFi password.
Files are being overwritten too quickly.	Adjust loop recording duration in settings. Reduce G-sensor sensitivity if too many files are being locked unnecessarily. Consider a larger capacity SD card.

If the problem persists after trying these solutions, please contact VSYSTO customer support.

9. SPECIFICATIONS

Feature	Detail
Screen Size	2 inches
Compatible Devices	Smartphones
Color	P4.5-170° Wide Angle
Battery Included	Yes
Battery Usage	Yes
Manufacturer	VSYSTO
Included Components	GPS, Dash Cam Main Unit, Front & Rear Cameras, Wired Remote Control, Power Cable
Special Features	170° Ultra Wide Angle, G-Sensor, S-ONY307 Camera, Motor Vibration, Parking Surveillance Recording

Feature	Detail
Connectivity Technology	Wi-Fi
Display Type	LCD
Mounting Type	Adhesive Mount
Product Dimensions	6.8 x 6.8 x 2 cm
Item Weight	1.17 kg
Video Capture Resolution	1080p
Control Method	App

10. WARRANTY AND SUPPORT

This product comes with a 1-year warranty from the manufacturer. In the unlikely event of a defect or malfunction, please contact VSYSTO customer support for assistance.

Customer Support Email: support@vsysto.com

Please provide your product model and a detailed description of the issue when contacting support.