VSYSTO F3M

VSYSTO F3M Motorcycle Dash Camera User Manual

Model: F3M

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your VSYSTO F3M Motorcycle Dash Camera. The F3M system features a 4-inch IPS display, three cameras (front, left, right), integrated GPS, and Tire Pressure Monitoring System (TPMS). It is designed to enhance driving safety and provide reliable recording capabilities for your motorcycle.

2. PRODUCT COMPONENTS

The VSYSTO F3M system includes the following components:

- Main Host with Bracket
- Front Camera
- Left Camera
- Right Camera
- GPS Module
- Power Cable
- Wired Controller
- USB Test Cable
- Tire Pressure Sensors (2 units)

Figure 2.1: Overview of VSYSTO F3M system components.

Figure 2.2: Detailed view of main unit, cameras, and accessories with approximate dimensions.

3. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. It is recommended to have the system installed by a qualified technician if you are unfamiliar with motorcycle electrical systems.

3.1 Wiring Diagram

Refer to the following diagram for the correct connection of all components to your motorcycle's electrical system.
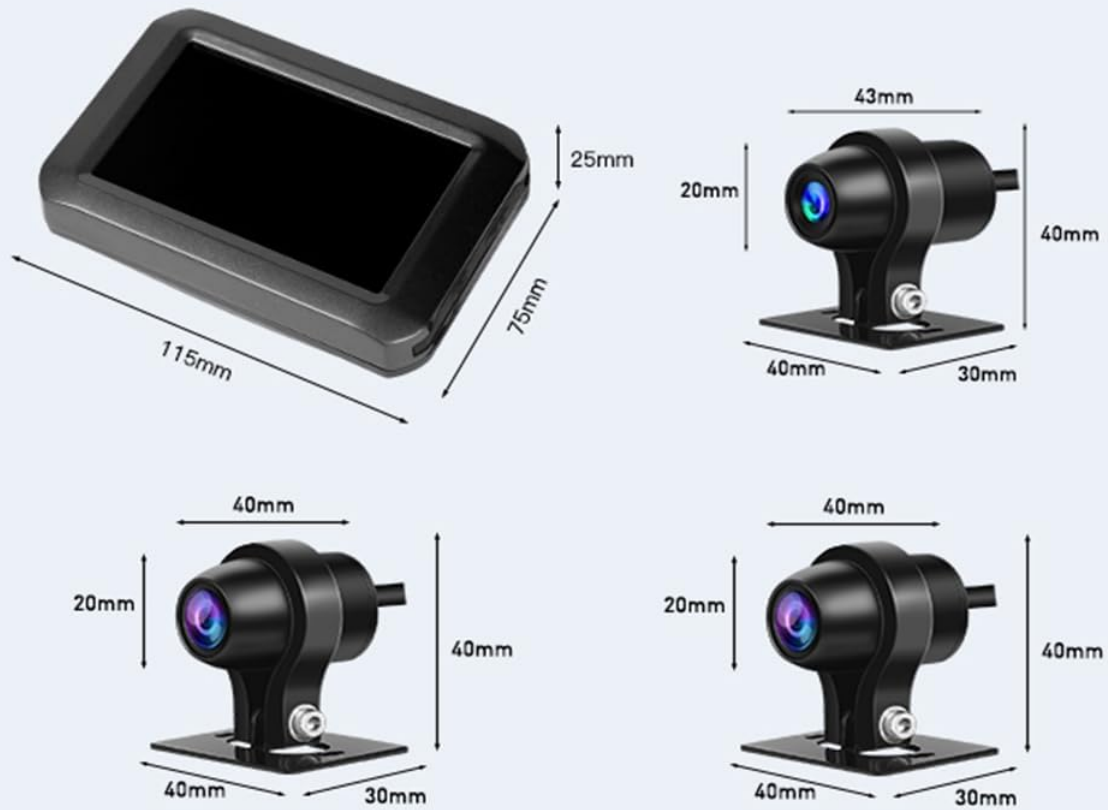
Product Size

Figure 3.1: General installation layout on a motorcycle.

Figure 3.2: Electrical wiring connections for the system.

3.2 Side Camera Turn Signal Connection

For the electronic rearview mirror function, connect the yellow wires of the side cameras as follows:

- The right camera's yellow wire connects to the positive pole of the right turn signal lamp.
- The left camera's yellow wire connects to the positive pole of the left turn signal lamp.
- An additional yellow wire can be connected to the positive pole of the left/right turn light in front of the motorcycle, or to the positive pole of the left/right turn light behind the motorcycle.

When a turn signal is activated, the display screen will automatically switch to the corresponding camera view and show parking auxiliary lines.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

The system is designed for automatic operation. After the motorcycle ignition is turned on, the recorder will automatically power on and begin recording. When the motorcycle power is turned off, the recorder will automatically shut down.

4.2 Display and Camera Views

The 4-inch IPS display provides a high-definition picture. The system includes a 1080P front camera and two 720P side cameras (left and right). These cameras provide a 130° wide-angle view, covering multiple lanes and reducing blind spots.

Figure 4.1: Multiple camera display options.

You can adjust the display brightness for optimal visibility in various lighting conditions.

Figure 4.2: Adjustable display brightness.

Figure 4.3: HD 1080P front camera day and night performance.

4.3 Wired Controller Functions

The wired controller provides quick access to various functions:

- **Up Button:** Switch between split screen and full screen display.
- **Blue Light:** Indicates GPS status.
- **OK Button:** Stop recording; Enter the menu page.
- **Red Light:** Indicates recording status.
- **Down Button:** Turn off the microphone.
- **Function Button (Long Press):** Enter emergency recording mode; Enter auxiliary driving mode.

Figure 4.4: Wired controller button layout and functions.

4.4 Recording Features

The F3M dash camera includes several recording functionalities:

- **Loop Recording:** When the memory card is full, the system automatically overwrites the oldest files to continue recording.
- **Emergency Recording (G-Sensor):** The built-in G-sensor detects sudden impacts or vibrations. When triggered, it automatically enters emergency recording mode, saving the video file to prevent it from being overwritten.
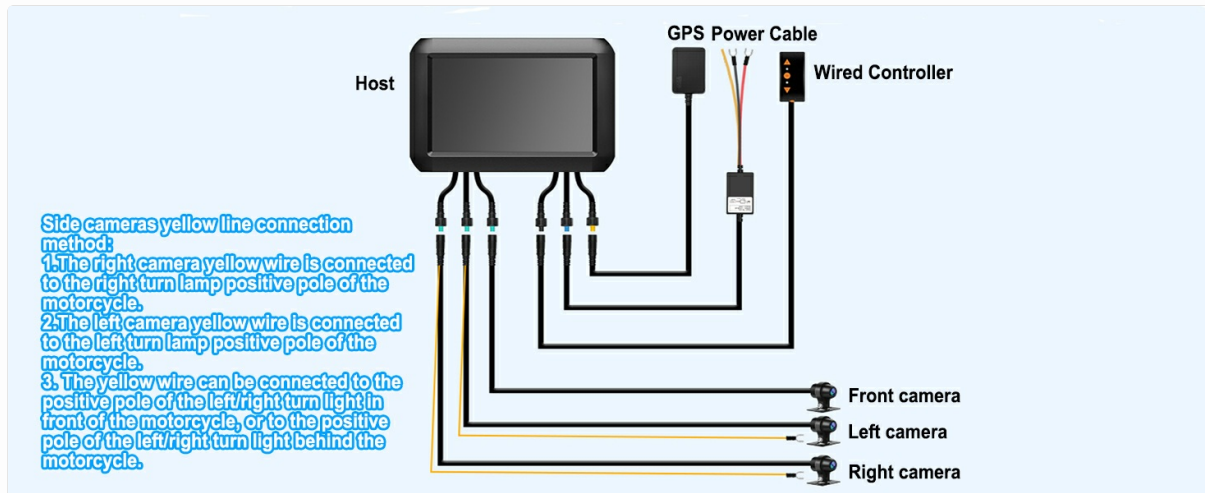

Figure 4.5: Loop recording and G-sensor functionality.

4.5 WiFi Functionality

The built-in WiFi module allows you to connect the recorder to your mobile phone via the "WiFi Camera" app. Through the app, you can:

- View real-time video feeds.
- Download and edit recorded videos directly on your phone without removing the SD card.
- View the driving track of recorded videos.

Figure 4.6: WiFi interconnection and mobile app usage.

Figure 4.7: GPS tracking via mobile app and computer software.

4.6 GPS Tracker and TPMS

The integrated GPS module allows you to record driving routes, longitude, latitude, altitude, and atmospheric pressure. You can view this data through the mobile app ("WiFi Camera") or computer software ("DV Player").
The Tire Pressure Monitoring System (TPMS) continuously checks your motorcycle's tire pressure and temperature. An alarm will sound if the tire pressure or temperature exceeds predefined thresholds.

Figure 4.8: Real-time TPMS display.

The system also includes a built-in temperature sensor for ambient temperature display.

Figure 4.9: Built-in temperature sensor display.

An overspeed warning feature can alert you if your driving speed exceeds a set limit.

Figure 4.10: Overspeed warning notification.

4.7 Auxiliary Display Mode

To access the auxiliary display mode, long-press the down button on the wired controller. This mode provides various informational interfaces, including:

- Current vehicle speed.
- Tire pressure and temperature.
- Altitude, longitude, latitude, and atmospheric pressure.
- Short-term memory driving speed and mileage.
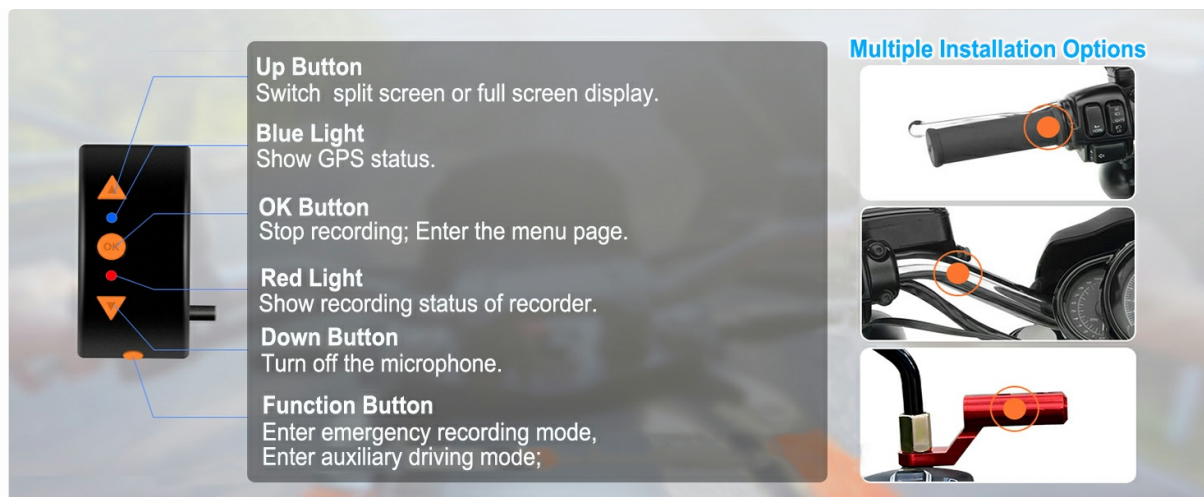- Motorcycle battery voltage.
- Time and date.

Figure 4.11: Auxiliary display mode interfaces.

4.8 Parking Monitoring

When enabled, the parking monitoring feature automatically activates and records for 30 seconds if the recorder detects vibration after the motorcycle power is turned off. This function requires a battery voltage of at least 11.8V and is not effective with USB power supply or electric vehicle installations.

Figure 4.12: Parking monitoring activation.

4.9 License Plate Watermark

You can add a custom license plate watermark to your recorded videos. This feature supports English letters and numbers only. Special characters are not supported. A specific TXT document upgrade may be required to enable this feature. Contact VSYSTO support for the necessary TXT files.

Figure 4.13: Custom license plate watermark example.

4.10 Type-C Interface

The host unit features a Type-C interface for convenient data transfer and power supply. You can directly connect the recorder to a computer using a Type-C cable to transfer video files without removing the SD card. It can also be powered directly by a 5V 2A power bank or charger. Note: Input voltage exceeding 5V may damage the recorder.

Figure 4.14: Type-C interface for data transfer and power.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the display and camera lenses. Avoid abrasive cleaners or

solvents.

- **SD Card Management:** Regularly format the microSD card to maintain optimal recording performance and prevent data corruption. Back up important files before formatting.
- **Firmware Updates:** Check the VSYSTO official website periodically for firmware updates to ensure your device has the latest features and bug fixes.
- **Waterproofing:** The main unit, cameras, GPS, and wired controller are designed to be waterproof. However, ensure all connections are secure and covers are properly sealed after any maintenance.

6. TROUBLESHOOTING

- **Device Not Powering On:** Ensure the power cable is correctly connected and receiving 12V power from the motorcycle's ignition. If using USB, ensure the power source provides 5V 2A.
- **Recording Issues (Flickering/Stopping):** Verify the power supply is stable. Some users have reported issues with 5V USB power; a direct 12V connection is recommended for consistent performance. Ensure the microSD card is a Class 10 or higher and is formatted regularly.
- **Camera Image Blurry/Not Working:** Check camera connections. Ensure lenses are clean and free from obstructions. If a camera consistently malfunctions, contact support.
- **WiFi Connection Problems:** Ensure the WiFi module is enabled. Restart the device and your mobile phone. Reinstall the "WiFi Camera" app if necessary.
- **GPS Not Tracking:** Ensure the GPS module is properly installed and has a clear view of the sky. Check the blue light on the wired controller for GPS status.
- **Interference (Audio/Video):** Some electrical interference from the motorcycle (e.g., horn, high RPMs) may affect audio or video quality. If audio interference is significant, consider turning off sound recording.
- **Parking Monitoring Not Activating:** Ensure the motorcycle battery voltage is above 11.8V. This feature does not work with USB power or certain electric vehicle setups.

If you encounter persistent issues not resolved by these steps, please contact VSYSTO customer support.

7. SPECIFICATIONS

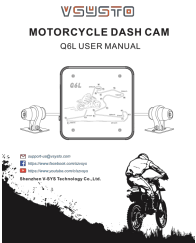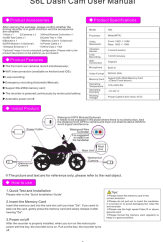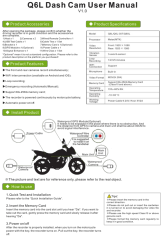| Feature	Detail
Model Number	F3M
Display Screen	4 Inch IPS
Front Camera Resolution	1080p (SONYIMX307)
Side Camera Resolution	720P (Left & Right)
Lens Angle	130° Wide Angle

Connectivity	Wi-Fi
Special Features	GPS, Tire Pressure Sensors, Handlebar Wired Controller, Loop Recording, Emergency Recording (G-Sensor), Auxiliary Display Mode, Parking Monitoring, Temperature Display, Type-C Interface, Custom License Plate Watermark
Storage	microSD (Flash Memory Type)
Power Source	12V Motorcycle Power, 5V 2A via Type-C (USB)
Product Dimensions	0.98"D x 2.95"W x 4.53"H (Host)
Item Weight	2.64 pounds

Figure 7.1: Summary of product features.

8. WARRANTY AND SUPPORT

For warranty information and technical support, please contact VSYSTO customer service. Refer to your product packaging or the official VSYSTO website for the most current contact details.

Related Documents - F3M

	[VSYSTO Q6L Motorcycle Dash Cam User Manual](#) Comprehensive user manual for the VSYSTO Q6L Motorcycle Dash Cam, detailing installation, operation, features like parking mode and Wi-Fi connectivity, and troubleshooting.
	[VSYSTO CS5 Pro Motorcycle Dash Cam User Manual](#) Comprehensive user manual for the VSYSTO CS5 Pro Motorcycle Dash Cam, covering installation, features, operation, safety guidelines, and troubleshooting for motorcycle riders.
	[VSYSTO F9L Motorcycle Dash Cam User Manual](#) User manual for the VSYSTO F9L motorcycle dash cam, detailing product accessories, appearance, installation, operation, video recording modes (normal, emergency, G-sensor), mobile app connectivity via WiFi, wired remote controller functions, video playback, settings menu, Bluetooth phone and music features, auxiliary display modes, and important notes.
	[S6L Dash Cam User Manual](#) User manual for the S6L Dash Cam, detailing product features, specifications, installation, and usage instructions for motorcycle use.
	[F9 Bluetooth Motorcycle Dash Cam User Manual](#) User manual for the VSYSTO F9 Bluetooth Motorcycle Dash Cam, covering installation, operation, features like GPS, tire pressure monitoring, and phone connectivity.
	[VSYSTO Q6L Motorcycle Dash Cam User Manual](#) User manual for the VSYSTO Q6L motorcycle dash cam. Covers product features, specifications, installation guide, operation instructions, and important notes for safe and effective use. Includes details on recording modes, WiFi connectivity, and accessory setup.