

Cuifati Cuifatietg5soqb36

Cuifati Mini Color CCTV Camera (Model: Cuifatietg5soqb36) User Manual

Comprehensive instructions for installation, operation, and maintenance.

1. INTRODUCTION

Thank you for choosing the Cuifati Mini Color CCTV Camera. This manual provides essential information for the safe and effective use of your camera. Please read these instructions carefully before installation and operation, and retain them for future reference. This camera is designed for surveillance applications, offering a wide-angle view and robust construction.

2. PRODUCT OVERVIEW

The Cuifati Mini Color CCTV Camera is a compact surveillance device featuring high-definition imaging and a wide 170-degree viewing angle. Its waterproof and shockproof design ensures durability in various environments.

- **HD Quality Imaging:** Provides clear visuals even in low-light conditions.
- **170-Degree Wide Angle Lens:** Captures a broad field of view, ideal for monitoring large areas.
- **Mini Design:** Compact size allows for discreet installation.
- **Waterproof and Shockproof:** Designed to withstand environmental elements and impacts.
- **Laminated Glass Lens:** Enhances light capture for improved image quality.



Figure 2.1: Front view of the Cuifati Mini Color CCTV Camera, showing its compact design and lens.

This image displays the main unit of the Cuifati Mini Color CCTV Camera, highlighting its small form factor and the central lens. The camera is black with a metallic mounting bracket.



Figure 2.2: Key features of the Cuifati Mini Color CCTV Camera, including HD quality, shockproof, 170-degree wide angle, parking reverse backup monitor compatibility, glass lens, waterproof, and smart chip.

This graphic illustrates the primary features of the camera through icons and text. It emphasizes HD quality, shock resistance, wide-angle viewing, suitability for reverse backup monitoring, glass lens construction, waterproofing, and integrated smart chip technology.

3. SPECIFICATIONS

Feature	Detail
Brand	Cuifati
Model Number	Cuifati2tg5soqb36
Compatible Devices	Monitor

Feature	Detail
Power Source	Corded Electric (12 Volts DC)
Connectivity Technology	Wired
Video Capture Resolution	720p
Effective Still Resolution	2 MP
Field Of View	170 Degrees
International Protection Rating	IP66
Material	Glass (Lens)
Item Weight	53 Grams (1.87 ounces)
Form Factor	Bullet
Indoor/Outdoor Usage	Indoor, Outdoor

4. SETUP AND INSTALLATION

The Cuifati Mini Color CCTV Camera is designed for easy installation, particularly as a reverse backup monitor for vehicles.

4.1 Package Contents

- Mini Color CCTV Camera unit
- Video cable with RCA connectors
- Power cable (DC 12V)

4.2 Installation Steps (Vehicle Reverse Backup Monitor)

1. **Choose Installation Location:** Select a suitable location on the rear of your vehicle, typically near the license plate or bumper, where the camera can provide an unobstructed view. The camera's compact size allows for discreet placement.



Figure 4.1: Example of a suitable installation place for the camera on the rear of a vehicle.

This image shows a close-up of the camera installed on the rear bumper of a car, indicating a common and effective mounting point.

2. **Mount the Camera:** Secure the camera using its integrated mounting bracket. Ensure it is firmly attached and angled correctly for the desired field of view. The camera is designed for an 18.5mm punch non-destructive installation.



Figure 4.2: The camera designed for 18.5mm punch non-destructive installation, ensuring a clean and secure fit.

This image highlights the camera's design for an 18.5mm punch installation, emphasizing its non-destructive and aesthetic integration into a vehicle.

3. **Connect Power:** Connect the camera's power cable (red and black wires) to a 12V DC power source. For reverse backup functionality, connect the red wire to the vehicle's reverse light power supply (positive) and the black wire to ground (negative). This ensures the camera activates when the vehicle is in reverse.
4. **Connect Video:** Connect the yellow RCA video output cable from the camera to the video input of your monitor or display unit.



Figure 4.3: Wiring diagram illustrating connections for reverse lights and continuous power use.

This diagram shows two wiring options: connecting to reverse lights for automatic activation when reversing, or connecting to a continuous power source for constant monitoring. It details the connections to the monitor, DC 12V power, and video cable.

5. **Test the System:** After all connections are made, test the camera by engaging reverse gear (if connected to reverse lights) or powering on the monitor (for continuous use) to ensure the video feed is displayed correctly.

5. OPERATING INSTRUCTIONS

Once properly installed and powered, the Cuifati Mini Color CCTV Camera operates automatically.

- **Automatic Activation:** If wired to your vehicle's reverse lights, the camera will automatically power on and transmit video to your connected monitor when the vehicle is shifted into reverse.
- **Continuous Operation:** If wired to a continuous 12V DC power source, the camera will remain active as long as power is supplied, providing a constant video feed to your monitor.
- **Viewing Angle:** The 170-degree wide-angle lens provides a broad view, minimizing blind spots.



Figure 5.1: Illustration of the camera's 170-degree wide viewing angle, showing an expansive field of vision behind a vehicle.

This image demonstrates the extensive coverage provided by the 170-degree lens, illustrating how it captures a wide area behind a car.

- **Night Vision:** The camera features low-light technology for clear imaging in dark conditions.



Figure 5.2: Comparison of camera's daytime and nighttime performance, showing clear visibility in both conditions.

This split image compares the camera's view during the day and at night, demonstrating its ability to provide clear images in varying light conditions, including parking guidelines.

6. MAINTENANCE

To ensure optimal performance and longevity of your Cuifati Mini Color CCTV Camera, follow these maintenance guidelines:

- **Lens Cleaning:** Regularly clean the camera lens with a soft, damp cloth to remove dirt, dust, or water spots that may obstruct the view. Avoid abrasive cleaners.
- **Check Connections:** Periodically inspect all cable connections (power and video) to ensure they are secure and free from corrosion or damage.
- **Housing Inspection:** Although the camera is waterproof (IP66 rated) and shockproof, inspect the housing for any signs of physical damage that could compromise its integrity.



Figure 6.1: The camera demonstrating its waterproof capability, submerged in water.

This image visually confirms the camera's waterproof design, showing it partially submerged in water with splashes, indicating its resilience to moisture.

- **Environmental Protection:** While designed for outdoor use, extreme temperatures or prolonged direct exposure to harsh chemicals should be avoided.

7. TROUBLESHOOTING

If you encounter issues with your Cuifati Mini Color CCTV Camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No image on monitor	<ul style="list-style-type: none">◦ Loose power or video connection◦ No power to camera or monitor◦ Incorrect video input selected on monitor◦ Damaged cable	<ul style="list-style-type: none">◦ Check and secure all connections.◦ Verify power supply to both camera and monitor.◦ Ensure monitor is set to the correct video input (e.g., AV1, AV2).◦ Inspect cables for damage; replace if necessary.
Flickering or distorted image	<ul style="list-style-type: none">◦ Poor video connection◦ Power fluctuations◦ Interference	<ul style="list-style-type: none">◦ Check video cable for secure connection and damage.◦ Ensure stable 12V DC power supply.◦ Relocate cables away from strong electrical sources if possible.
Image too dark or too bright	<ul style="list-style-type: none">◦ Dirty lens◦ Monitor brightness/contrast settings	<ul style="list-style-type: none">◦ Clean the camera lens.◦ Adjust brightness and contrast settings on your monitor.

8. WARRANTY AND SUPPORT

For warranty information and technical support regarding your Cuifati Mini Color CCTV Camera, please refer to the documentation included with your purchase or contact Cuifati customer service directly.

You can typically find support contact details on the manufacturer's official website or through the retailer where the product was purchased.

