

PARKVISION Bicycle Rear View Camera

PARKVISION Bicycle Rear View Camera Instruction Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your PARKVISION Bicycle Rear View Camera. This system enhances cycling safety by providing a clear, real-time view of the area behind you, eliminating the need to turn your head.



Image 1.1: Overview of the PARKVISION Bicycle Rear View Camera system.

The camera features 1080P resolution, an 8-LED night vision system, and a 110-degree field of view displayed on a 4.3-inch waterproof screen. The adjustable and rotatable bracket ensures compatibility with various bicycle types, including mountain bikes, road bikes, and e-bikes.



Image 1.2: Cyclist viewing the rear camera display mounted on handlebars.

2. PACKAGE CONTENTS

Verify that all components are present in the package:

- 4.3-inch Monitor
- Rear View Camera
- Monitor Bracket
- Micro-USB Cable
- Hook & Loop Tape
- Camera Bracket
- Gasket
- Cable Ties

PACKING LIST

 4.3" Monitor		 Camera			
 Monitor Bracket	 Micro-USB Cable	 Hook & Loop Tape	 Camera Bracket	 Gasket	 Cable ties

Image 2.1: Detailed view of the packing list components.

3. SETUP AND INSTALLATION

Follow these steps to install your PARKVISION Bicycle Rear View Camera system. No special tools are required.

3.1 Camera Installation

1. Attach the camera bracket to your bicycle's seatpost. The camera is compatible with seatposts ranging from 17mm to 38mm in diameter.
2. Secure the camera to the bracket. Ensure the camera is positioned to capture a clear view of the rear.
3. Use the provided cable ties and hook & loop tape to neatly route the camera cable along the bicycle frame to the handlebar area.

3.2 Monitor Installation

1. Attach the monitor bracket to your bicycle's handlebars. The screen bracket is compatible with handlebars ranging from 18mm to 42mm in diameter.
2. Secure the 4.3-inch monitor to the bracket. The bracket design is anti-shake and anti-vibration, maintaining screen stability even on uneven roads.
3. Connect the camera cable to the monitor.



Image 3.1: Upgraded sturdy bracket for secure mounting.

Your browser does not support the video tag.

Video 3.1: Demonstration of the installation process for the PARKVISION Bicycle Rear View Camera.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

Press and hold the power button on the monitor to turn the system on or off. The monitor will display the rear view from the camera.

4.2 Display and View

The 4.3-inch screen provides a 1080P HD display with a true 110-degree field of view, free from fisheye distortion. This ensures that objects appear at their actual distance.



110° of True Vision

No fisheye, No Distortion,
Closest To The Actual Distance

Image 4.1: The 110-degree true vision provides a wide, undistorted view.

4.3 Night Vision

The camera is equipped with built-in infrared LEDs that automatically activate in low-light conditions, providing clear images on the screen for safe night riding.

Extral Strong Night Vision

8PCS extral strong IR lightsw ill automa
tically switch night mode inthe darkness



Image 4.2: Enhanced night vision for clear visibility in dark conditions.

4.4 Battery and Charging

The system includes a built-in 5000 mAh rechargeable battery, offering up to 5 hours of continuous operation. Charge the device using the provided Micro-USB cable.

5. MAINTENANCE

To ensure the longevity and optimal performance of your PARKVISION Bicycle Rear View Camera, follow these maintenance guidelines:

- **Cleaning:** The camera and monitor are IP68 waterproof. Wipe the screen and camera lens with a soft, damp cloth to remove dirt and debris. Avoid abrasive cleaners.
- **Bracket Inspection:** Periodically check the mounting brackets for tightness and wear. The nylon material is designed for durability and corrosion resistance.
- **Battery Care:** For optimal battery life, avoid fully discharging the battery frequently. Charge the device regularly, especially if it will be stored for an extended period.

6. TROUBLESHOOTING

If you encounter issues with your PARKVISION Bicycle Rear View Camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Screen is dim or hard to see in bright sunlight.	Sun glare on the screen.	Adjust the monitor's angle to minimize direct sunlight. Point the screen slightly downwards towards your chest, or rotate it away from the sun's direct path.
Camera detaches from its mount.	Vibration or impact loosening the connection.	Ensure the camera is securely fastened to its bracket. For added stability, some users have reported success with applying a strong adhesive to the screw connection point between the camera and its mount.
Buttons are difficult to press or locate while riding.	Flat button design.	Familiarize yourself with button placement before riding. Some users have added a small tactile marker (e.g., a tiny drop of adhesive) to the center of each button for easier identification by touch.
Battery life is shorter than expected.	High brightness settings, continuous use, or aging battery.	Reduce screen brightness if possible. Ensure the battery is fully charged before each ride. Consider carrying a portable power bank for extended rides.
Limited view distance or objects appear too close.	Camera's fixed field of view.	The camera provides a 110-degree true field of view without distortion, which accurately represents distances. This system is designed to supplement, not replace, direct observation and traditional mirrors.

7. SPECIFICATIONS

Feature	Detail
Model Name	Bicycle Rear View Camera
Video Capture Resolution	1080p
Screen Size	4.3 Inches
Field Of View	110 Degrees
Night Vision	Built-in Infrared LED Light
Connectivity Technology	USB
Battery Capacity	5000 mAh (Lithium Ion)
Runtime	Up to 5 hours
Mounting Type	Handlebar Mount (Monitor), Seatpost Mount (Camera)
Waterproof Rating	IP68
Frame Rate	30 FPS

Feature	Detail
Compatible Devices	Bicycle, Ebike

8. WARRANTY INFORMATION

The PARKVISION Bicycle Rear View Camera comes with a **1-year warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims.

9. SUPPORT

For further assistance, technical support, or inquiries regarding your PARKVISION Bicycle Rear View Camera, please contact PARKVISION customer service. Refer to the product packaging or the official PARKVISION website for contact details.