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› PARKVISION BK-430 Bike Rearview Camera System with 4.3" AHD 1080p Display User Manual

PARKVISION BK-430

PARKVISION BK-430 Bike Rearview Camera System User Manual

Model: BK-430

1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, and maintenance of your PARKVISION BK-430 Bike Rearview Camera System. This system is designed to enhance cycling safety by providing a real-time, clear view of the area behind you, reducing blind spots and the need to constantly look over your shoulder.

The BK-430 features a 4.3-inch AHD 1080p display, excellent night vision capabilities, and a robust, anti-vibration mounting system. Please read this manual thoroughly before using the product to ensure proper function and safety.



Image 1.1: PARKVISION BK-430 Bike Rearview Camera System

2. PRODUCT FEATURES

- **Enhanced Safety:** Provides a real-time rear view on a 4.3-inch monitor, helping cyclists observe approaching vehicles and other bikes from behind without turning their head.
- **Effective Blind Spot Coverage:** Offers a wide field of view and excellent night vision, displaying the scene at a realistic distance without distortion.
- **Anti-Vibration 360° Rotatable Mount:** The camera and monitor mounts are designed to minimize vibration and can be rotated 360° for optimal viewing angles. Compatible with handlebars 20-30mm in diameter.
- **Tool-Free Installation:** Simple installation and removal by loosening and tightening screws on the bike's handlebar and seat post.
- **Wide Compatibility:** Suitable for most bicycle types, including electric bikes, city bikes, mountain bikes (MTB), and road bikes.

AHD 4.3" DISPLAY SCREEN



Image 2.1: Key Features of the AHD 4.3" Display Screen

3. PACKAGE CONTENTS

Please verify that all components are present in your package:

- 1 x 4.3-inch Monitor
- 1 x Rearview Camera
- 1 x Monitor Bracket
- 1 x Camera Bracket
- 1 x Micro-USB Cable
- 1 x Hook & Loop Tape (for cable management)

PACKING LIST



4.3" Monitor



Camera

Monitor
Bracket



Camera
Bracket



Micro-USB
Cable



Hook & Loop
Tape

Image 3.1: Package Contents

4. SETUP AND INSTALLATION

The PARKVISION BK-430 is designed for tool-free installation. Follow these steps to set up your system:

1. **Attach Monitor Bracket:** Secure the monitor bracket to your bicycle's handlebar. Ensure it is tightened firmly to prevent movement during cycling.
2. **Attach Camera Bracket:** Secure the camera bracket to the bicycle's seat post or another suitable rear location.
3. **Mount Monitor:** Slide the 4.3-inch monitor onto its bracket on the handlebar.
4. **Mount Camera:** Attach the rearview camera to its bracket.
5. **Connect Cables:** Insert the camera cable into the designated port on the side of the monitor.
6. **Cable Management:** Use the provided hook & loop tape to neatly secure the camera cable along the bicycle frame, preventing it from interfering with moving parts or getting snagged.
7. **Adjust Angles:** Adjust the angle of both the camera and the monitor to achieve your desired viewing perspective. The brackets allow for 360° rotation.

**Upgraded Bracket, No Vibration
Keep steady while riding**



**Perfect Perspective Camera
bracket can be rotated 360°**

Image 4.1: Upgraded Anti-Vibration Bracket

UPGRADED 110° VIEWING ANGLE MORE SAFER AND CLEARER



Image 4.2: 360° Rotatable Camera Bracket

5. OPERATING INSTRUCTIONS

Once installed, operating your PARKVISION BK-430 is straightforward:

1. **Power On:** Locate the power button on the monitor (refer to Image 5.1 for button layout). Press and hold the power button to turn on the display. The screen will automatically show the live view from the rear camera.
2. **Adjusting Settings:** Use the 'MENU' button to access display settings such as brightness, contrast, and color. Use the '+' and '-' buttons to navigate and adjust values. Press 'OK' to confirm selections.
3. **Real-time Monitoring:** The monitor provides a live, no-delay image of the road behind you, allowing for continuous awareness of your surroundings.
4. **Power Off:** Press and hold the power button again to turn off the monitor.

Live-view Image, No Delay

let you know what is coming from behind you without looking back

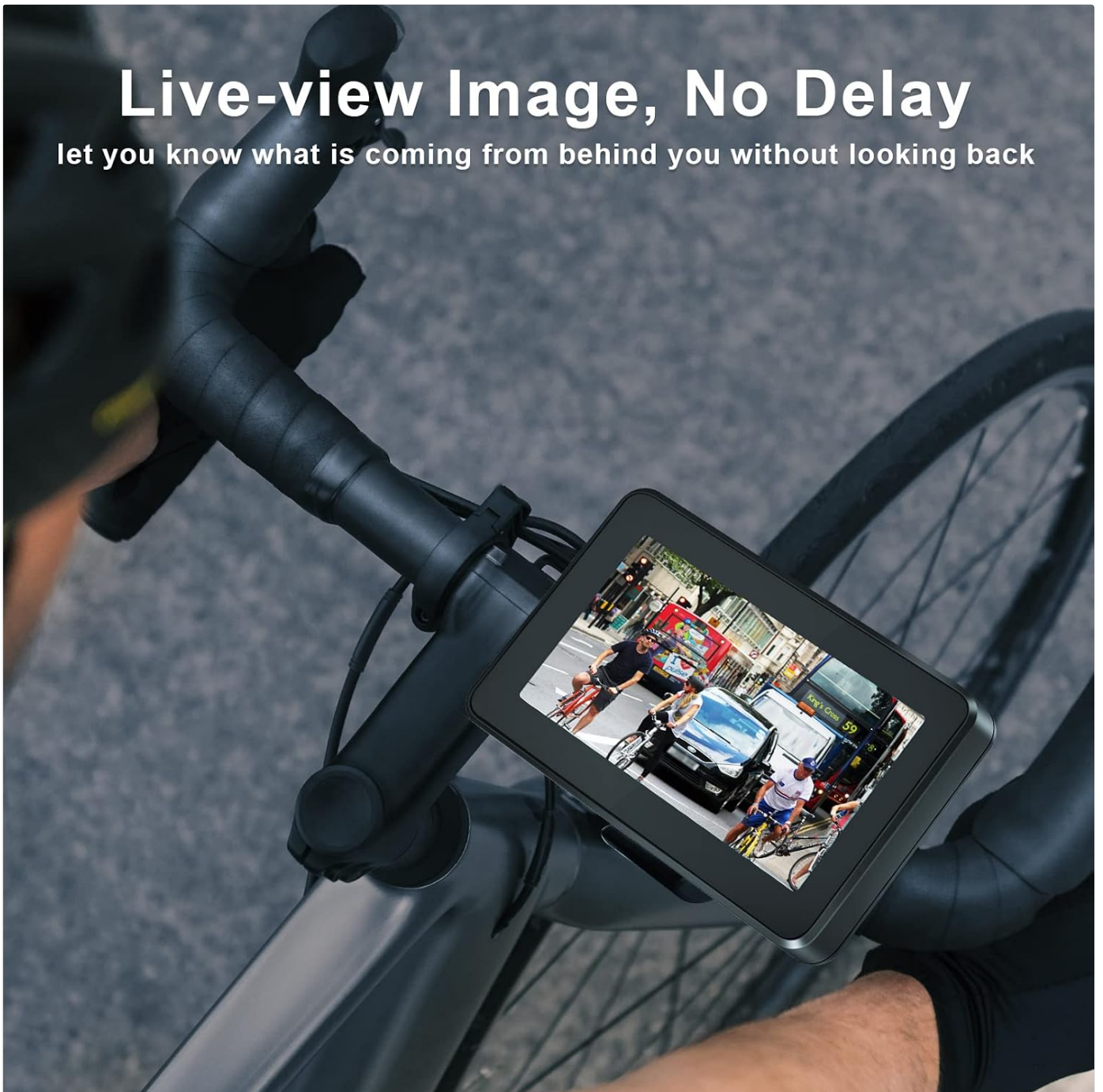


Image 5.1: Live-view Image on Monitor



Image 5.2: Monitor Control Buttons

The system can also be used to monitor children or pets in a bicycle trailer, providing peace of mind during rides.



Image 5.3: Monitoring Children or Pets with the System

6. MAINTENANCE

To ensure the longevity and optimal performance of your PARKVISION BK-430, follow these maintenance guidelines:

- **Cleaning:** Regularly wipe the monitor screen and camera lens with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the surfaces.
- **Battery Care:** The system includes a Lithium-ion battery. Charge the battery fully before first use. For optimal battery life, avoid fully discharging the battery frequently. If storing for extended periods, charge the battery to about 50% and store in a cool, dry place.
- **Cable Inspection:** Periodically check all cables for any signs of wear, fraying, or damage. Replace damaged cables immediately to prevent malfunction.
- **Bracket Security:** Ensure that all mounting brackets remain securely tightened. Re-tighten if any looseness is

detected.

- **Weather Protection:** While the camera is designed to be waterproof, avoid prolonged exposure of the monitor to heavy rain or extreme weather conditions.

7. TROUBLESHOOTING

If you encounter issues with your PARKVISION BK-430, refer to the following troubleshooting tips:

- **No Image on Screen:**
 - Ensure the monitor is powered on.
 - Check that the camera cable is securely connected to the monitor.
 - Verify the battery is charged. Connect the monitor to a power source using the Micro-USB cable.
- **Poor Image Quality:**
 - Clean the camera lens and monitor screen.
 - Adjust the monitor's brightness and contrast settings via the 'MENU' button.
 - Ensure the camera is not obstructed.
- **Monitor Not Turning On:**
 - Charge the battery for at least 2-3 hours.
 - Try a different Micro-USB charging cable and power adapter.
- **Monitor or Camera is Loose:**
 - Re-tighten the screws on the monitor and camera brackets.
 - Ensure the brackets are correctly installed on the handlebar and seat post.

8. SPECIFICATIONS

Feature	Specification
Brand	PARKVISION
Model Name	RM (BK-430)
Color	Black
Screen Size	4.3 Inches
Connectivity Technology	Wired (HDMI connection type)
Special Features	Suitable for most bikes, quick installation, 110° real viewing angle, AHD 1080p rearview camera
Compatible Devices	Bicycle, Road Bike
Battery Composition	Lithium-ion (1 included)
Video Recording Resolution	1080p
Included Components	1 Bike Rearview Mirror (System)

Mounting Type	Handlebar Mount
Field of View	360 Degrees (Rotatable Mount)
ASIN	B0BBMKX6Z9
Date First Available	August 23, 2022

9. WARRANTY AND SUPPORT

PARKVISION is committed to providing high-quality products and customer satisfaction. While specific warranty details are not provided in this document, if you have any questions, require assistance with installation, operation, or encounter any issues with your PARKVISION BK-430 Bike Rearview Camera System, please contact PARKVISION customer support. Refer to the product packaging or the retailer's website for contact information.

Your feedback is valuable to us, and we are here to help ensure you have a positive experience with our product.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question