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› PARKVISION Handlebar Bike Mirror, Bicycle Rear View Camera with Anti-Glare Sunshade, 4.3" HD 1080P Monitor, 1200/1000/800/600 Wide Angle View, 10000mah Battery, Bike Camera for Mountain

PARKVISION BK-M40

PARKVISION Handlebar Bike Mirror User Manual

Model: BK-M40

1. INTRODUCTION

Thank you for choosing the PARKVISION Handlebar Bike Mirror. This innovative rear view camera system is designed to enhance your cycling safety by providing a clear, wide-angle view of what's behind you. With its high-definition monitor, adjustable viewing angles, and long-lasting battery, it offers a reliable solution for cyclists on various terrains, including mountain, road, and electric bikes.

2. PACKAGE CONTENTS

Please verify that all items are present in your package:

- 1 x 4.3-inch Monitor with Sunshade
- 1 x Rear View Camera
- 1 x Type-C Charging Cable
- 1 x Handlebar Mounting Bracket for Monitor
- 1 x Seatpost Mounting Bracket for Camera
- Installation Hardware (screws, rubber pads)
- User Manual



Image: All components included in the PARKVISION Handlebar Bike Mirror package.

3. PRODUCT OVERVIEW

The PARKVISION system consists of two main units: the monitor and the camera, along with their respective mounting brackets.

- **Monitor:** A 4.3-inch HD display with a detachable anti-glare sunshade. It features control buttons for power, menu, and view angle adjustment.
- **Camera:** A compact, IP68-rated weatherproof camera designed for rear mounting. It connects to the monitor via a cable.
- **Mounting Brackets:** Durable clamps for secure attachment to handlebars and seatposts, designed for tool-free installation.



Image: Main components of the PARKVISION Handlebar Bike Mirror system.

4. SETUP & INSTALLATION

The system is designed for quick and tool-free installation.

4.1. Camera Installation

1. Select a suitable position on your bike's seatpost for the camera bracket. Ensure it provides a clear line of sight to the rear.
2. Attach the camera mounting bracket to the seatpost. The flexible clamp system fits standard seatposts ranging from 17-38mm. Tighten securely.
3. Insert the camera into its bracket. The camera features a 360° rotatable ball joint for precise angle adjustment.

4.2. Monitor Installation

1. Choose a comfortable viewing position on your handlebar for the monitor.
2. Attach the monitor mounting bracket to the handlebar and secure it firmly.
3. Slide the monitor onto its quick-release locking plate on the handlebar bracket until it clicks into place.

4. Attach the anti-glare sunshade to the monitor.

4.3. Connecting the System

1. Connect the cable from the camera to the designated port on the monitor.
2. Route the cable neatly along your bike frame using the provided cable ties or velcro straps to prevent interference with moving parts.



Image: Visual guide for snap-on quick installation and 360° rotatable camera bracket.



Image: The system is universally compatible with various bike types.

5. OPERATING INSTRUCTIONS

5.1. 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 once powered on.

5.2. Adjusting Viewing Angles

The system offers four viewing angles: 120°, 100°, 80°, and 60°. Press the 'M' button on the monitor to cycle through these options. Select the angle that best suits your riding conditions and preference for rearview coverage.



Image: Adjusting the camera's viewing angle via the monitor.

5.3. Brightness Adjustment

The 4.3-inch 1000-nit monitor features dynamic screen brightness adjustment. It automatically optimizes display brightness under varying lighting conditions, ensuring clear visibility even in direct sunlight. Manual adjustment options may also be available via the menu.



Image: The 1000-nit display provides superior visibility in bright conditions.

5.4. Night Vision

The camera is equipped with color night vision technology, enhancing visibility and detail recognition during low-light or nocturnal cycling. This feature activates automatically in dim conditions.

5.5. Charging the Battery

The system is powered by a 10000mAh Type-C fast-charging battery, providing up to 10 hours of continuous use. To charge, connect the provided Type-C cable to the monitor's charging port and a compatible USB power source (e.g., wall adapter, power bank). A real-time power indicator on the monitor will show the charging status.



Image: The 10000mAh battery provides extended runtime.

6. MAINTENANCE

- **Cleaning:** Use a soft, damp cloth to clean the monitor screen and camera lens. Avoid abrasive cleaners or solvents.
- **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.
- **Storage:** Store the system in a cool, dry place when not in use. Detach the monitor for security and to prevent prolonged exposure to extreme weather.
- **Weather Protection:** While the camera is IP68 rated weatherproof, it is recommended to protect the monitor from heavy rain or prolonged exposure to moisture.

7. TROUBLESHOOTING

- **No Image on Monitor:**
 - Ensure the camera cable is securely connected to the monitor.

- Check if the monitor is powered on and fully charged.
- **Poor Image Quality/Glare:**
 - Ensure the camera lens is clean and free from dirt or smudges.
 - Adjust the anti-glare sunshade for optimal viewing in bright conditions.
 - Verify the monitor's brightness setting.

ANTI-GLARE SUNSHADE – ZERO DISTORTION IN STRONG LIGHT

Other No Sunshade Design

- ✗ Screen whitening under direct sunlight
- ✗ Blurry outlines of rear vehicles
- ✗ Frequent need to block sunlight with hands
- ✗ Reflections cause misjudgment of vehicle distance



PARKVISION Anti-Glare Sunshade

- ✓ Sunshade eliminates 85% of specular reflection
- ✓ High-definition display of license plates
- ✓ Sunshade automatically reduces glare from harsh light
- ✓ Smart brightness algorithm boosts contrast



VS

Image: The anti-glare sunshade significantly reduces distortion in strong light.

- **Battery Not Charging:**
 - Ensure the Type-C cable is properly connected to both the monitor and the power source.
 - Try a different Type-C cable or power adapter.
- **Unstable Image on Rough Terrain:**
 - Ensure all mounting brackets are securely tightened to the handlebar and seatpost. The shockproof design minimizes vibration.

8. SPECIFICATIONS

Feature	Detail
Model Name	Bicycle Rear View Camera
Item Model Number	BK-M40
Display Size	4.3 inches
Display Brightness	1000 nits (cd/m²)
Video Resolution	1080P HD
Viewing Angles	120°/100°/80°/60° (Adjustable)
Battery Capacity	10000mAh Lithium Ion
Battery Life	Up to 10 hours (continuous use)
Charging Port	Type-C
Camera Water Resistance	IP68 Rated
Item Weight	1.46 pounds
Package Dimensions	7.05 x 4.69 x 4.09 inches
UPC	726597468916

9. WARRANTY INFORMATION

PARKVISION products are manufactured to high quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official PARKVISION website. Keep your proof of purchase for any warranty claims.

10. CUSTOMER SUPPORT

If you have any questions, require technical assistance, or encounter issues not covered in this manual, please contact PARKVISION customer support. Contact information can typically be found on the product packaging, the official website, or your purchase receipt.