

KEMIMOTO UTVB0401-00401BK

KEMIMOTO RZR Front Camera Kit Instruction Manual

Model: UTVB0401-00401BK

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your KEMIMOTO RZR Front Camera Kit. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. PRODUCT FEATURES

- **170-Degree Wide-Angle View:** Provides an expansive field of vision, ideal for observing road conditions around the front and rear wheels, navigating tight spaces, and avoiding obstacles.
- **720P HD Imaging:** Equipped with a six-layer glass lens for precise imaging, reduced light interference, improved transmission, enhanced sharpness, and corrected aperture. Ensures clear visibility of obstacles.
- **IP67 Waterproof Rating:** Designed to perform reliably in harsh weather conditions, including rain and snow. The sealed camera housing prevents water ingress and internal fogging.
- **Durable Construction:** Features a high-strength aluminum alloy housing for robustness and impact resistance. The lens is made from scratch-resistant glass to maintain clear vision.
- **Extreme Temperature Resilience:** Operates effectively in temperatures ranging from -30°C to 70°C (-22°F to 158°F), suitable for diverse environments like snowfields and deserts.
- **HD 4089N Photosensitive Chip:** Advanced chip for superior image quality.
- **Night Vision Assist:** Enhances visibility in low-light conditions.

720P HD VISION

Six-layer glass fisheye lens make you see more clear

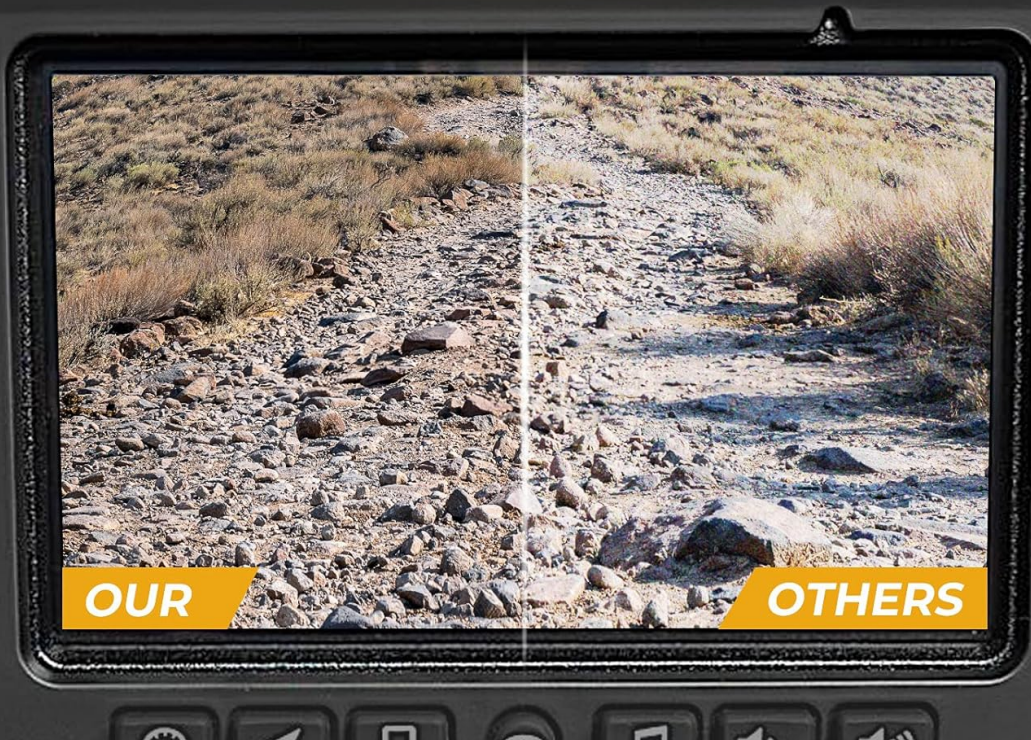


Image: The camera's six-layer glass lens, designed for 720P HD clarity.



Image: Comparison of 720P HD image quality versus standard 540P.



Image: The HD 4089N photosensitive chip, a key component for image quality.

3. COMPATIBILITY

This camera kit is compatible with various Polaris RZR models, including but not limited to:

- RZR PRO XP / RZR XP 1000 / RZR XP Turbo / RZR Trail (2019-2022)
- RZR XP 1000 Sport / RZR Turbo S Velocity / RZR Turbo S Lifted Lime LE / RZR Turbo S 4 Velocity / RZR Turbo S 4 Lifted Lime LE / RZR Turbo S / Turbo S 4 / RZR Trail Ultimate / RZR Trail S 1000 Ultimate
- RZR XP Turbo / XP 4 Turbo / RZR XP 4 1000 Premium / RZR XP 4 1000 High Lifter / RZR XP 4 1000 / RZR XP 1000 Premium / RZR XP 100 Trails
- RZR PRO XP / 4 Ultimate / RZR PRO XP / 4 Premium
- RZR XP Turbo S Velocity / RZR XP Turbo S / XP 4 Turbo S / RZR XP 4 Turbo S Velocity / RZR XP 1000 LE / XP 4 1000 LE / RZR XP 1000 / RZR PRO XP LE / RZR PRO XP 4 LE / RZR PRO XP / XP 4
- RZR XP Turbo S / XP 4 Turbo S / RZR XP Turbo LE / XP 4 Turbo LE / RZR XP Turbo / XP 4 Turbo / RZR XP / 4 1000 Ride Command Edition / RZR XP / 4 1000 High Lifter Edition / RZR XP / 4 1000 DYNAMIX Edition / RZR XP / 4 1000 / RZR XP 1000 Trails & Rocks Edition / RZR XP / 4 Turbo S Velocity

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your KEMIMOTO RZR Front Camera Kit:

1. **Prepare the Mounting Location:** Identify the desired mounting location on the front plastic plate of your RZR. You will need to drill a hole for the camera.
2. **Connect Wiring:** Connect the camera to the original spare terminal. Ensure all connections are secure.
3. **Camera Placement:** Insert the camera into the drilled hole.
4. **Orientation:** Locate the red arrow on the camera. Ensure this red arrow points upwards during installation to guarantee a normal horizontal field of view.
5. **Secure the Camera:** Rotate the buckle to firmly secure the camera in place.



Image: Step-by-step guide for camera installation, showing how to remove the buckle, orient the red arrow upwards, and secure the camera.



Image: The camera seamlessly integrated into the RZR's front panel, with the resulting clear view displayed on the dashboard screen.



Image: Illustration of the camera's plug-and-play wiring for simplified connection.

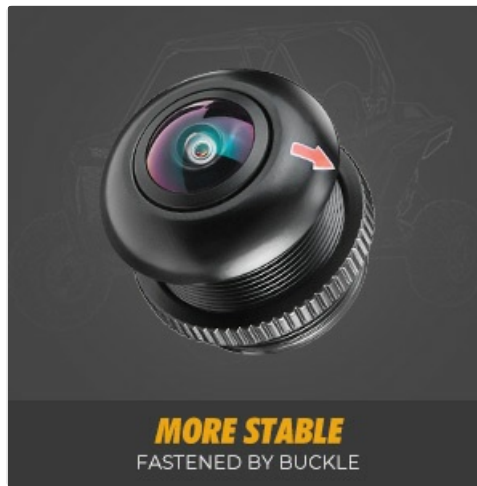


Image: Detail of the camera's buckle fastening mechanism for stable installation.

5. OPERATING INSTRUCTIONS

Once installed, the camera provides a live feed to your vehicle's compatible display. The 170-degree wide-angle lens allows for enhanced situational awareness, particularly useful for:

- Observing terrain directly in front of or behind the vehicle before descending steep inclines or reversing.
- Navigating through narrow trails or congested areas.
- Identifying and avoiding obstacles that might be out of direct line of sight.



Image: Visual representation of the 170-degree wide-angle view provided by the camera, enhancing visibility on challenging terrain.

BOTH FRONT & REAR CAMERA KIT

Make reversing easier



Image: Illustration demonstrating the wide field of view for both front and rear cameras, aiding in maneuvering.



Image: The camera's night vision capability providing clear images in dark conditions.

6. MAINTENANCE

To ensure the longevity and optimal performance of your camera kit, consider the following maintenance tips:

- **Regular Cleaning:** Periodically clean the camera lens with a soft, damp cloth to remove dirt, mud, or debris that may obstruct the view. Avoid abrasive cleaners.
- **Inspect Connections:** Routinely check all wiring connections to ensure they remain secure and free from corrosion, especially after off-road use or exposure to harsh elements.
- **Check for Damage:** Inspect the camera housing and lens for any signs of physical damage. Although designed to be durable, extreme impacts can compromise its integrity.

SCRATCH-RESISTANT GLASS

Maintain a clear vision



Image: Visual representation of the camera's scratch-resistant glass and impact-resistant design, emphasizing its robust build.

IP67 WATER RESISTANT RATING

Work well in rainy and snow



Image: The camera demonstrating its IP67 waterproof capabilities, suitable for wet conditions.



Image: The camera's ability to withstand extreme temperatures, shown against backgrounds of desert and snow.

7. TROUBLESHOOTING

If you encounter issues with your KEMIMOTO RZR Front Camera Kit, consider the following:

- **No Image on Display:**
 - Check all power and video connections to ensure they are securely plugged in.
 - Verify that the vehicle's display unit is powered on and set to the correct input source.
 - Inspect wiring for any cuts or damage.
- **Poor Image Quality:**
 - Clean the camera lens thoroughly. Dirt, mud, or water spots can significantly degrade image clarity.
 - Ensure the camera is correctly oriented with the red arrow pointing upwards. Incorrect orientation can distort the view.
 - Check for any physical damage to the lens or housing.
- **Intermittent Signal:**

- Ensure all connections are tight and free from corrosion.
- Check for any loose wiring or damaged cables.

If problems persist after following these steps, please contact KEMIMOTO customer support for further assistance.

8. SPECIFICATIONS

Specification	Detail
Brand	KEMIMOTO
Model Number	UTVB0401-00401BK
Installation Type	Surface Mount
Real View Angle	170 Degrees
Waterproof Rating	IP67
Imaging Resolution	720P HD
Operating Temperature	-30°C to 70°C (-22°F to 158°F)
Lens Material	Six-layer glass, scratch-resistant
Housing Material	High-strength aluminum alloy
Camera Dimensions	Approximately 2.5 cm / 0.98 in (diameter)



Image: The compact size of the camera, shown next to a coin for scale.

9. WARRANTY AND SUPPORT

Specific warranty information is not provided in the product details. For warranty claims, technical support, or any inquiries regarding your KEMIMOTO RZR Front Camera Kit, please refer to the contact information provided with your purchase or visit the official KEMIMOTO website.

Always ensure you are using genuine KEMIMOTO parts and accessories for optimal performance and to maintain warranty validity.

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