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› PARKVISION 1080P AHD Rear/Front Camera System with 7-inch Dash Monitor User Manual

PARKVISION AHD-7M-1080P

PARKVISION 1080P AHD Rear/Front Camera System with 7-inch Dash Monitor User Manual

Model: AHD-7M-1080P

1. INTRODUCTION

The PARKVISION 1080P AHD Rear/Front Camera System is designed to enhance driving safety and convenience by providing clear, high-definition video feedback. This system features a 7-inch IPS monitor and a 1080P AHD camera, offering superior image quality with advanced noise reduction and night vision capabilities. It is suitable for a wide range of 12V to 24V vehicles, including cars, light vehicles, trucks, campers, and heavy machinery.



Image 1.1: Overview of the PARKVISION 1080P AHD Rear/Front Camera System.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 7-inch Monitor
- Camera Body
- Cigarette Lighter Power Adapter
- DC Power Cable (Spare)
- Camera Connection Cable (7.5 meters)
- Suction Cup Bracket
- Number Plate Mounting Bracket (Spare)
- Camera Installation Kit (Screws, Adhesive, Screwdriver)
- Base Stand (Spare)

商品構成一覧



Image 2.1: Visual representation of all included components.

3. SETUP AND INSTALLATION

The system offers flexible installation options for both power supply and camera mounting.

3.1 Power Supply Methods

There are two primary ways to power the monitor and camera:

1. **Cigarette Lighter Power:** Connect the monitor to your vehicle's cigarette lighter socket using the provided adapter. This method is simple and avoids complex wiring, making it ideal for beginners. The monitor will power on when the vehicle's ignition is on.
2. **Reverse Gear Power Cable:** For automatic display when reversing, connect the system's power cable to the vehicle's reverse light circuit. The monitor will automatically display the camera feed when reverse gear is engaged.

2種電源供給方法

注:新旧バージョンに関係なく、非互換性を避けるため、接続には付属の製品一式を使用してください。

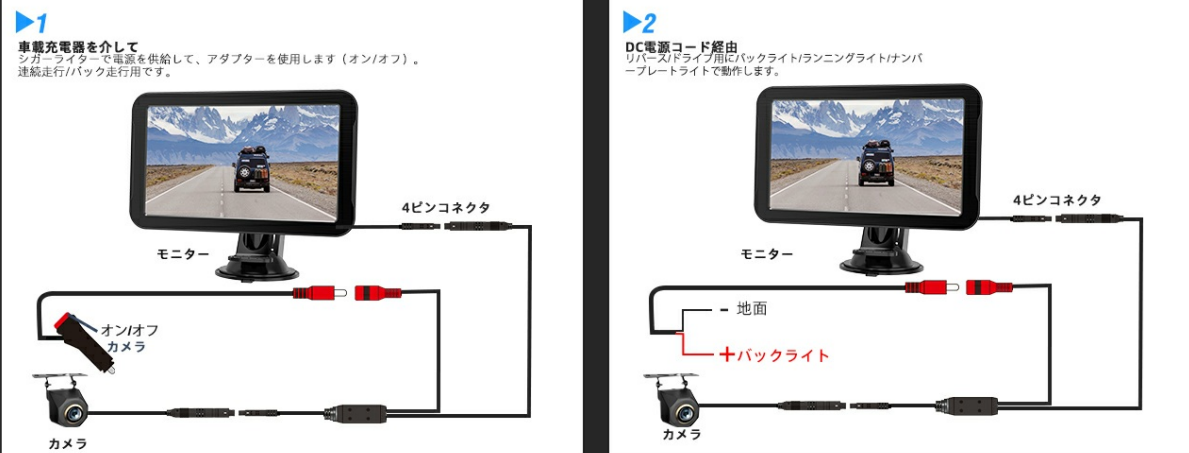


Image 3.1: Diagrams illustrating the two power supply options.

3.2 Camera Mounting

The camera can be mounted in two ways, typically near the license plate:

1. **License Plate Mount:** Use the provided bracket to attach the camera discreetly behind the license plate. This method requires no drilling into the vehicle body.
2. **Surface Mount:** The camera can also be surface-mounted using the included adhesive and screws, offering flexibility for various vehicle types.



Image 3.2: Examples of camera mounting options.

3.3 Monitor Mounting

The 7-inch monitor can be mounted on the dashboard or windshield using the suction cup bracket or base stand. The suction cup features strong adhesion and can be reused after cleaning.

アップグレードされた高品質の2-IN-1吸盤ホルダー

360°回転可、好きな角度に調整可能



Image 3.3: Monitor mounting options and adjustable viewing angles.

4. OPERATING INSTRUCTIONS

4.1 Basic Operation

Once powered on, the monitor will display the camera feed. If connected to the reverse light, it will automatically switch to the camera view when reversing.

4.2 Image Adjustment (Normal/Mirror)

The system supports switching between normal and mirror images, allowing the camera to be used for rear, front, or side views. Refer to the instruction manual for specific button presses to toggle this setting.



Image 4.1: Illustration of normal and mirror image display options.

4.3 DIY Guideline Adjustment

The monitor features customizable parking guidelines. You can adjust the position (left/right, up/down) and width of the guidelines, or turn them on/off entirely, to suit your preference and vehicle dimensions. This feature aids in precise parking.



Image 4.2: Examples of adjustable parking guidelines.

5. FEATURES

- **1080P HD AHD System:** Equipped with AHD technology for high-definition analog video, providing 2 million pixel camera images on a 7-inch IPS 1080P monitor. Features backlight compensation and digital noise reduction for clear, vivid images.
- **Dual Power Supply Options:** Choose between powering via the reverse gear cable for automatic reverse display or via the cigarette lighter adapter for continuous monitoring.
- **Ultra-Wide 140° Angle & Enhanced Night Vision:** The camera offers a 140-degree wide viewing angle for comprehensive coverage, improving safety. Enhanced night vision ensures clear visibility in low-light conditions.
- **Multi-functional Design:** Supports normal/mirror image switching and guideline ON/OFF, allowing use as a rear, front, or side camera. Can also function as a continuous surveillance camera.

- **IP68 Waterproof Camera:** The camera is designed with an IP68 waterproof structure, ensuring reliable operation in various weather conditions (rain, snow, fog, icy roads) without concerns about water ingress or fogging.
- **Universal Compatibility:** Compatible with DC 12V-24V vehicles, including standard cars, light vehicles, trucks, campers, and heavy machinery.
- **Reusable Suction Cup:** The new silicone suction cup offers strong adhesion and can be restored to its original stickiness by washing with water if it becomes dirty.



Image 5.1: Comparison of 1080P and 480P resolution with night vision.



Image 5.2: The camera's IP68 waterproof and dustproof rating.

6. MAINTENANCE

To ensure the longevity and optimal performance of your PARKVISION camera system, follow these maintenance guidelines:

- **Cleaning the Monitor:** Use a soft, dry cloth to clean the monitor screen. For stubborn smudges, a slightly damp cloth with a mild, non-abrasive cleaner can be used, then wipe dry immediately. Avoid harsh chemicals.
- **Cleaning the Camera Lens:** Gently wipe the camera lens with a soft, lint-free cloth to remove dirt or water spots. Ensure the lens is clear for optimal image quality.

- **Suction Cup Maintenance:** If the suction cup's adhesion weakens, detach it, wash the gel part with water, and let it air dry. This will restore its stickiness for reuse.
- **Cable Inspection:** Periodically check all cables and connections for any signs of wear, damage, or loose connections. Secure any loose cables to prevent interference or disconnection.
- **Environmental Protection:** While the camera is IP68 waterproof, avoid prolonged exposure to extreme temperatures or direct high-pressure water jets (e.g., from a car wash) directly on the camera or monitor.

7. TROUBLESHOOTING

If you encounter issues with your PARKVISION camera system, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No image on monitor	Loose power connection, camera cable disconnected, incorrect power source.	Check all power connections to the monitor and camera. Ensure the camera cable is securely plugged into the monitor. Verify the power source is active (e.g., cigarette lighter is on, reverse gear is engaged).
Poor image quality (blurry, distorted)	Dirty camera lens, cable interference, low light conditions, monitor settings.	Clean the camera lens. Ensure the camera cable is not routed near strong electrical interference sources. The system has enhanced night vision, but extreme darkness may still affect clarity. Adjust monitor brightness/contrast if available.
Monitor does not turn on	No power, faulty power adapter/cable.	Check if the power adapter is firmly seated in the cigarette lighter socket or if the reverse light circuit is active. Test the power adapter in another vehicle or socket if possible.
Guidelines not appearing or incorrect	Guidelines turned off, incorrect settings.	Access the monitor's menu to enable or adjust the DIY guidelines. Refer to the specific button operations in the full instruction manual.

If the problem persists after trying these solutions, please contact PARKVISION customer support for further assistance.

8. SPECIFICATIONS

Feature	Detail
Screen Size	7 inches
Compatible Devices	Smartphones (referring to general device compatibility, not direct connection)
Brand	PARKVISION
Manufacturer	PARKVISION

Feature	Detail
Package Dimensions	27.9 x 12.4 x 7.8 cm
Item Weight	710 g
ASIN	B0DQBJ7TVY
Mounting Type	Surface Mount
Optical Sensor Technology	CMOS
Lens Type	Wide Angle
Actual Angle of View	140 Degrees
Connector Type	4-pin Mini DIN
Optical Sensor Size	1/2.7 inch

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 encounter any malfunctions or have questions regarding your product, please do not hesitate to contact PARKVISION customer support. Our team is ready to assist you with any inquiries or issues you may have.

For support, please refer to the contact information provided with your purchase or visit the official PARKVISION website.

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

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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