

AMTIFO H21

AMTIFO H21 RV Backup Camera User Manual

Model: H21

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your AMTIFO H21 RV Backup Camera. Please read this manual thoroughly before using the product to ensure proper function and safety. The AMTIFO H21 is designed to enhance visibility and safety when reversing your RV, compatible with the A6 system.

2. SAFETY INFORMATION

- Always ensure the camera and monitor are securely mounted to prevent detachment during vehicle operation.
- Disconnect power before performing any installation or maintenance to avoid electrical shock.
- This device is an aid for reversing and should not replace careful observation and judgment by the driver.
- Ensure all wiring is properly insulated and protected from environmental elements and vehicle movement.
- The camera is IP69 waterproof, but avoid high-pressure water jets directly on the lens or connections.

3. PACKAGE CONTENTS

Please check the package for the following items:

- AMTIFO H21 RV Backup Camera
- Power Cable for Camera

- Mounting Bracket and Screws
- User Manual (this document)
- (Note: Monitor is sold separately and is required for operation with the A6 system.)

4. SETUP AND INSTALLATION

Follow these steps for proper installation of your AMTIFO H21 RV Backup Camera.

4.1 Camera Mounting

Choose a suitable location on the rear of your RV for mounting the camera. This location should provide a clear, unobstructed view of the area behind the vehicle. Typically, the camera is mounted above the license plate or on the upper rear panel of the RV.

1. Secure the camera bracket to the chosen surface using the provided screws. Ensure the bracket is firmly attached.
2. Attach the camera to the bracket. Adjust the camera angle to achieve the desired viewing perspective.



Figure 1: The AMTIFO H21 RV Backup Camera, showing its main lens, infrared lights, and wireless antenna. The camera is housed in a durable, waterproof casing with a sturdy mounting bracket.

4.2 Power Connection

The camera requires a 12V DC power source. It is recommended to connect the camera's power cable to the RV's reverse light circuit. This will ensure the camera powers on automatically when the vehicle is put into reverse.

- Identify the positive (+) and negative (-) wires of your RV's reverse light circuit.
- Connect the red wire of the camera's power cable to the positive (+) wire of the reverse light circuit.
- Connect the black wire of the camera's power cable to the negative (-) wire (ground) of the reverse light circuit.
- Ensure all connections are secure and properly insulated to prevent short circuits and water ingress.

4.3 Pairing with A6 Monitor

Upon receiving a new camera or if the camera loses connection, you must pair it with your AMTIFO A6 monitor. Refer to your A6 monitor's manual for specific pairing instructions. Generally, the process involves:

1. Power on the A6 monitor and the H21 camera.
2. Access the pairing menu on the A6 monitor.
3. Initiate the pairing process on the monitor. The monitor will search for available cameras.
4. Once the H21 camera is detected, confirm the pairing on the monitor. A successful pairing will display the camera's feed on the monitor.

5. OPERATING INSTRUCTIONS

Once installed and paired, operating the AMTIFO H21 camera is straightforward.

1. **Power On:** When the RV is started and reverse gear is engaged (if wired to reverse lights), the camera and monitor will automatically power on and display the rear view.
2. **Viewing the Feed:** The live video feed from the H21 camera will be displayed on your connected AMTIFO A6 monitor.
3. **Guide Lines:** The A6 monitor typically provides adjustable guide lines to assist with parking and maneuvering. Refer to the A6 monitor manual for instructions on how to enable, adjust, or disable these lines.

Backup Camera easy to fit

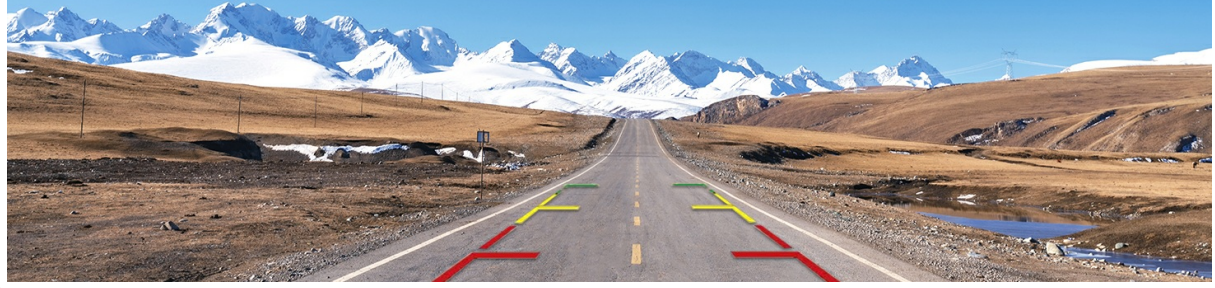


Figure 2: Example of a backup camera view displaying parking guide lines on a road, illustrating how the system assists in judging distance and trajectory.

Always use the camera feed in conjunction with physical checks and mirrors to ensure complete awareness of your surroundings.

6. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your H21 camera.

- **Cleaning the Lens:** Periodically clean the camera lens with a soft, damp cloth to remove dirt, dust, or water spots that may obstruct the view. Avoid abrasive cleaners.
- **Checking Connections:** Inspect all power and signal connections regularly to ensure they are secure and free from corrosion or damage.
- **Casing Inspection:** Although the camera is IP69 waterproof, check the casing for any signs of damage or cracks that could compromise its water resistance.
- **Bracket Security:** Verify that the mounting bracket remains securely fastened to the RV. Tighten screws if necessary.

7. TROUBLESHOOTING

If you encounter issues with your AMTIFO H21 RV Backup Camera, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No image on monitor	No power to camera/monitor Camera not paired with monitor Weak or obstructed wireless signal Damaged power cable or camera	Check power connections to both camera and monitor. Ensure the RV is in reverse (if wired to reverse lights). Re-pair the camera with the A6 monitor (refer to Section 4.3). Ensure no large metal objects are blocking the signal path. Inspect cables for damage; replace if necessary.
Image is blurry or distorted	Dirty camera lens Condensation on lens Poor wireless signal	Clean the camera lens with a soft cloth. Allow time for condensation to dissipate. Check for signal interference or obstructions.
Intermittent signal loss	Wireless interference Distance between camera and monitor too great Loose connections	Minimize other wireless devices operating nearby. Ensure camera and monitor are within effective range. Check all power and signal connections for tightness.

8. SPECIFICATIONS

Feature	Detail
Brand	AMTIFO
Model	H21
ASIN	B08V5164LF
Connectivity Technologies	Wireless
Installation Type	Surface Mount
Optical Sensor Technology	CMOS
Lens Type	Wide Angle
Real Angle of View	170 Degrees
Optical Sensor Size	0.33 inches
Field Of View	170 Degrees (1.7E+2 Degrees)
Waterproof Rating	IP69

Feature	Detail
Item Weight	11.2 ounces
Package Dimensions	4.96 x 3.94 x 2.68 inches
Compatible Devices	Monitor (specifically A6 System)

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official AMTIFO website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

You can visit the AMTIFO Store for more information:[AMTIFO Official Store](#)