Manuals+

Q & A | Deep Search | Upload

THINKWARE TWA-X500F750R

THINKWARE Rear View Camera (TWA-X500F750R) Instruction Manual

Model: TWA-X500F750R

Introduction

This manual provides instructions for the installation, operation, and maintenance of the THINKWARE Rear View Camera, model TWA-X500F750R. This camera is designed to be used as an accessory with compatible THINKWARE dash cam main units, specifically the X500, X550, and F770 models, to provide comprehensive surveillance of your vehicle's rear surroundings.

The TWA-X500F750R features a Full HD 1080p camera with a Sony Exmor CMOS Sensor and a 140-degree viewing angle, ensuring wide coverage and clear video capture. When connected to a hardwired main unit, it supports impact and motion detection during Parking Mode, offering dual-channel recording for both front and rear views.

What's in the Box

Please check the contents of your package. If any items are missing or damaged, contact your retailer.

- Rear View Camera (TWA-X500F750R)
- Rear View Camera Cable (21 feet / 6.4 meters)
- Quick Guide

Image: The THINKWARE Rear View Camera unit.

Setup and Installation

This rear view camera is designed for use with compatible THINKWARE dash cam main units (X500, X550, F770). Ensure your main unit is properly installed and functioning before proceeding with the rear camera installation.

Installation Steps:

1. **Select Mounting Location:** Choose a location on your vehicle's rear window that provides a clear, unobstructed view. Avoid areas that might interfere with defroster lines or wiper blades. The camera should be positioned centrally for optimal coverage.
2. **Clean Surface:** Thoroughly clean the chosen area on the rear window with an alcohol wipe and allow it to dry completely. This ensures proper adhesion.
3. **Test Orientation:** Before permanently attaching the camera, temporarily hold it in place and connect it to the main dash cam unit. Power on the main unit and check the live view (if available) or a recorded clip to confirm the camera's orientation is correct (not upside down or rotated). Adjust as necessary.
4. **Attach Camera:** Remove the protective film from the adhesive pad on the camera mount. Firmly press the camera onto the cleaned rear window surface for at least 30 seconds.
5. **Route Cable:** Carefully route the 21-foot connecting cable from the rear camera along the vehicle's headliner, down the side pillars, and to the main dash cam unit. Use cable clips (not included) to secure the cable and hide it for a neat installation. Ensure the cable does not interfere with airbags or other vehicle safety features.
6. **Connect to Main Unit:** Plug the rear camera cable into the designated rear camera port on your THINKWARE main dash cam unit.
7. **Power On and Verify:** Power on your main dash cam unit. The rear camera should be automatically detected and begin recording. Verify its operation through the main unit's display or companion app.

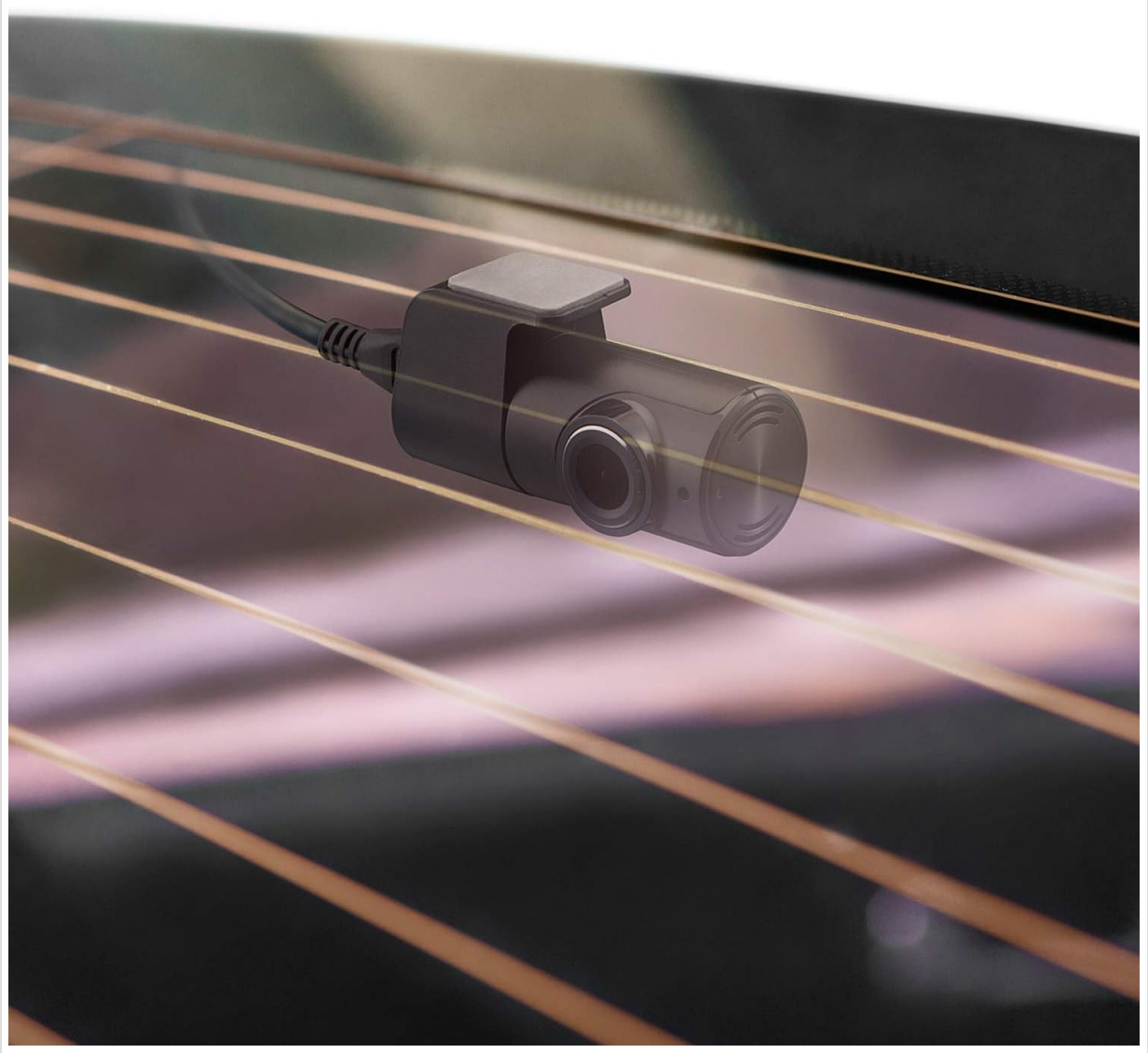

Image: The rear view camera installed on a vehicle's rear window.

Operating Instructions

The THINKWARE Rear View Camera operates in conjunction with your compatible THINKWARE main dash cam unit. It does not function as a standalone device.

- **Automatic Recording:** Once connected and the main dash cam unit is powered on, the rear camera will automatically begin recording simultaneously with the front camera.
- **Dual-Channel Recording:** Video footage from both the front and rear cameras is recorded and stored on the main unit's memory card.
- **Parking Mode:** If your main dash cam unit is hardwired and configured for Parking Mode, the rear camera will also capture impact and motion events in the rear of the vehicle when the ignition is off. Refer to your main dash cam unit's manual for detailed Parking Mode settings and functionality.
- **Viewing Footage:** To view footage from the rear camera, access the recorded files through your main dash cam unit's display, PC viewer software, or mobile application. Rear camera footage is typically paired with the corresponding front camera footage.

For detailed instructions on specific recording modes, settings, and file management, please refer to the instruction manual of your THINKWARE X500, X550, or F770 main dash cam unit.

Maintenance

Proper maintenance ensures the longevity and optimal performance of your rear view camera.

- **Cleaning the Lens:** Gently wipe the camera lens with a soft, lint-free cloth. For stubborn smudges, use a small amount of lens cleaning solution applied to the cloth, not directly to the lens. Avoid abrasive materials or harsh chemicals.
- **Cleaning the Body:** Wipe the camera body with a dry or slightly damp soft cloth.
- **Adhesive Check:** Periodically check the camera's adhesive mount to ensure it remains firmly attached to the window. If the adhesive weakens, consider replacing it with a new, strong automotive-grade adhesive pad.
- **Cable Inspection:** Inspect the connecting cable for any signs of wear, damage, or kinks. Ensure it remains securely routed and connected.
- **Temperature:** Avoid exposing the camera to extreme temperatures for extended periods, as this can affect its performance and lifespan.

Troubleshooting

If you encounter issues with your THINKWARE Rear View Camera, refer to the following common problems and solutions.

Problem	Possible Cause / Solution
Rear camera not detected / No rear video.	• Ensure the rear camera cable is securely connected to both the rear camera and the main dash cam unit. • Check the main dash cam unit's settings to ensure the rear camera option is enabled. • Restart the main dash cam unit. • Inspect the cable for any damage. A damaged cable may need replacement.
Poor image quality from rear camera.	• Clean the camera lens with a soft, lint-free cloth. • Ensure the rear window is clean and free from obstructions (e.g., dirt, condensation, tint bubbles). • Verify the camera's mounting angle. It should have a clear view of the road. • Low light conditions can naturally reduce image quality.
Rear camera footage is upside down or rotated.	• This indicates incorrect physical orientation during installation. Carefully detach the camera (if adhesive allows without damage) and re-mount it with the correct orientation. Refer to the "Test Orientation" step in the Setup section. • Some main dash cam units may have a software setting to rotate the rear camera image. Check your main unit's manual or settings.

If the problem persists after trying these solutions, please contact THINKWARE customer support or your authorized retailer.

Specifications

Feature	Detail
Model Name	TWA-X500F750R
Item Model Number	BCFH-150
Video Capture Resolution	1080p Full HD
Image Sensor	Sony Exmor CMOS Sensor
Field of View	140 Degrees (Diagonal)

Feature	Detail
Special Feature	Wide-Angle View Lens
Connectivity Technology	USB
Connecting Cable Length	21 feet (6.4 meters)
Mounting Type	Windshield Mount with Adhesive
Color	Black
Product Dimensions	2.24 x 0.94 x 1.06 inches
Item Weight	0.96 ounces
Compatible Main Units	THINKWARE X500, X550, F770 Dash Cams

Warranty and Support

Manufacturer's Warranty:

This THINKWARE Rear View Camera (TWA-X500F750R) is covered by a **One-Year Manufacturer's Warranty**. This warranty applies only to units sold by authorized retailers. Please retain your proof of purchase for warranty claims.

The warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by improper installation, accident, abuse, misuse, natural disaster, or unauthorized modification or repair.

Customer Support:

For technical assistance, warranty claims, or further inquiries, please contact THINKWARE customer support. You may also reach out to the authorized retailer from whom you purchased the product.

Please visit the official THINKWARE website for the most up-to-date support information, FAQs, and contact details. Having your product model number (TWA-X500F750R) and proof of purchase ready will help expedite the support process.