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THINKWARE TWA-NEXTS

THINKWARE Exterior Side View Camera TWA-NEXTS Instruction Manual

1. PRODUCT OVERVIEW

The THINKWARE Exterior Side View Camera (Model TWA-NEXTS) is designed to enhance your vehicle's recording capabilities by providing clear 1080p footage of your vehicle's side areas. This camera integrates with compatible THINKWARE dash cams and a multiplexer to offer comprehensive multi-channel recording, effectively reducing blind spots.

Its robust IP68-rated design ensures durability against water and dust, making it suitable for various weather conditions. The compact, low-profile design allows for discreet exterior mounting on cars, SUVs, pickups, and cargo vans.

Included Components:

- Exterior Side View Camera with cable (1.5 m)
- Connecting Cable (3.0 m)
- Installation Guide



Image: Front view of the THINKWARE Exterior Side View Camera, showcasing its compact design and lens.

2. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. This camera is designed for exterior mounting and requires connection to a compatible THINKWARE dash cam and a multiplexer (sold separately) for multi-channel recording.

2.1 Mounting Location

The camera is designed for low-profile exterior mounting on either side of your vehicle. It is suitable for cars, SUVs, pickups, and cargo vans. Avoid mounting on vehicles larger than cargo vans. The adhesive mount ensures a secure attachment.



Image: The compact exterior side view camera, designed for discreet mounting on the vehicle's exterior.

2.2 Cable Routing

The camera utilizes a flat cable for discreet routing. Route the cable between the quarter fender and the door seam, then underneath the door seal to guide it into the vehicle's interior. This method avoids drilling and keeps the cable concealed.

1. Identify a suitable, flat exterior surface on the side of your vehicle for mounting.
2. Clean the mounting surface thoroughly to ensure proper adhesion.
3. Attach the camera using the provided adhesive mount.
4. Carefully route the flat cable along the vehicle's body, utilizing existing gaps like the quarter fender and door seam.
5. Guide the cable into the vehicle's interior, typically underneath the door seal.
6. Connect the camera's cable to the 3.0m connecting cable, then to the THINKWARE multiplexer.
7. Connect the multiplexer to your compatible THINKWARE dash cam.

2.3 Camera Orientation

For correct image orientation, especially for the passenger side camera, it may be necessary to snip the exposed white wire at the cable end. Refer to the main dash cam's manual or the included installation guide for specific instructions regarding wire modification for orientation adjustment.

3. OPERATION

Once installed and connected to a compatible THINKWARE dash cam and multiplexer, the Exterior Side View Camera operates automatically as part of your vehicle's recording system.

3.1 Recording Functionality

- **Full HD Recording:** The camera captures video in 1080p Full HD resolution at 30 frames per second (fps), providing clear detail for identifying objects, license plates, and lane markers.
- **Wide Side Coverage:** With a 129° diagonal field of view, the camera captures a broad perspective of adjacent lanes and curbs, effectively minimizing blind spots during driving and parking maneuvers.
- **Multi-Channel Integration:** When paired with a multiplexer and a compatible THINKWARE dash cam, the camera contributes to a comprehensive multi-channel recording system, recording left and right views simultaneously.



Image: Visual representation of 1080p Full HD video quality, indicating clear recording capabilities.

3.2 Weather Resistance

The camera features an IP68 weatherproof and dustproof body, designed to withstand rain, snow, and road grime. It operates reliably in temperatures ranging from -10°C to 60°C (14°F to 140°F), ensuring dependable footage in various environmental conditions.



Image: A car driving through water, illustrating the camera's waterproof and dustproof design.

4. MAINTENANCE

To ensure the longevity and optimal performance of your THINKWARE Exterior Side View Camera, follow these maintenance guidelines:

- **Regular Cleaning:** Periodically clean the camera lens and body with a soft, damp cloth to remove dirt, dust, and grime. Avoid using harsh chemicals or abrasive materials that could damage the lens or housing.
- **Check Connections:** Ensure all cables and connections remain secure and free from damage. Loose connections can affect video quality or camera functionality.
- **Inspect Mounting:** Regularly check the adhesive mount to ensure it is still firmly attached to the vehicle. Re-secure if necessary.
- **Operating Environment:** While the camera is designed for harsh conditions, prolonged exposure to extreme temperatures outside its operating range (-10°C to 60°C) should be avoided when possible.

5. TROUBLESHOOTING

If you encounter issues with your Exterior Side View Camera, consider the following troubleshooting steps:

- **No Video Feed:**
 - Verify that the camera is correctly connected to the multiplexer and the multiplexer to the main dash cam.
 - Ensure the main dash cam is powered on and functioning correctly.
 - Check for any visible damage to the camera cable or connectors.
- **Poor Video Quality:**
 - Clean the camera lens to remove any dirt or smudges.
 - Ensure the camera is securely mounted and not vibrating excessively.
 - Check the settings on your main THINKWARE dash cam for video resolution and quality.
- **Incorrect Image Orientation:**
 - Refer to Section 2.3 (Camera Orientation) and the main dash cam's manual for instructions on adjusting the image orientation, which may involve modifying a specific wire.

• Camera Not Recognized:

- Confirm compatibility with your specific THINKWARE dash cam model (U1000 Plus, Q850, Q200, F200 PRO, F790, X800, X700).
- Ensure the multiplexer is correctly installed and functioning.
- Restart your main dash cam system.

For further assistance, consult the comprehensive manual of your main THINKWARE dash cam or contact THINKWARE customer support.

6. SPECIFICATIONS

Feature	Specification
Model Name	Exterior Side View Camera (TWA-NEXTS)
Video Capture Resolution	1080p Full HD
Frame Rate	30 fps
Field of View (Diagonal)	129 Degrees
Weatherproof Rating	IP68
Operating Temperature	-10°C to 60°C (14°F to 140°F)
Dimensions (D x W x H)	1.78"D x 1.26"W x 1.38"H (30.5 x 43.2 x 35.0 mm)
Weight	0.14 Pounds (57 g)
Mounting Type	Adhesive Mount
Compatible Dash Cams	U1000 Plus, Q850, Q200, F200 PRO, F790, X800, X700 (requires multiplexer)
Connectivity Technology	Auxiliary

Note: Specifications are subject to change without prior notice.

7. WARRANTY INFORMATION

For detailed warranty terms and conditions, please refer to the official THINKWARE website or the warranty card included with your purchase. Keep your proof of purchase for warranty claims.

8. CUSTOMER SUPPORT

If you require technical assistance, have questions about installation, or need further support, please visit the official THINKWARE website for FAQs, software updates, and contact information for customer service.

Official THINKWARE Website: www.thinkware.com

