Scosche TFCAM

Scosche TFCAM Universal Backup Camera Instruction Manual

Model: TFCAM

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Scosche TFCAM Universal 170° Degree Wide Angle License Plate Mounted Backup Camera. Please read this manual thoroughly before installation and use to ensure proper function and safety.

Package Contents

Verify that all items are present in the package:

- License Plate Frame Camera
- 5 x 6" Cable Ties
- Video Power Connections
- User's Manual (this document)



Image: Front view of the Scosche TFCAM backup camera integrated into a license plate frame, showing the camera lens and connected video and power cables.

Product Features

- **170-Degree Wide Angle Lens:** Captures a broad view of the area behind the vehicle.
- **Adjustable Camera Angle:** The camera can be adjusted 45-degrees for optimal calibration.
- **Weather Resistance:** Designed to withstand various weather conditions, including rain and snow.
- **Easy Installation:** Quick installation process with no cutting or splicing of wires required.



Image: A detailed view highlighting the camera's ultra low-light image sensor and 170-degree wide-angle lens, alongside a vehicle's in-dash monitor displaying the camera's wide field of view with parking guidelines.

Setup and Installation

Follow these steps for proper installation of the backup camera:

1. **Preparation:** Ensure the vehicle's ignition is off and the parking brake is engaged. Disconnect the negative terminal of the vehicle's battery to prevent electrical shorts during installation.
2. **Mounting the Camera:** The camera is integrated into a license plate frame. Remove your existing license plate and mount the Scosche TFCAM frame in its place using the vehicle's existing license plate screws. Ensure the camera lens is unobstructed and facing directly backward.
3. **Wiring the Camera:**
    - **Power Connection:** Connect the camera's power wire (typically red) to the vehicle's reverse light circuit. This will power the camera only when the vehicle is in reverse. Connect the camera's ground wire (typically black)

to a suitable chassis ground point.

- **Video Connection:** Route the video cable from the camera to your in-dash monitor or head unit. This cable typically has RCA connectors (yellow for video). Connect the yellow RCA connector from the camera to the video input on your monitor.

4. **Cable Management:** Use the provided cable ties to secure all wiring, keeping it away from moving parts, heat sources, and sharp edges. Ensure the wiring is neatly tucked away to prevent damage and interference.
5. **Final Connections:** Reconnect the negative terminal of the vehicle's battery.



Image: Rear view of the Scosche TFCAM backup camera, illustrating the integrated license plate frame and the attached wiring harness with its connectors, ready for vehicle integration.

Operating Instructions

Once installed, the Scosche TFCAM camera operates automatically:

- When the vehicle is shifted into reverse, the camera will automatically activate and display the rear view on your connected monitor.
- The 170-degree wide-angle lens provides an expansive view, helping to minimize blind spots.
- Adjust the camera's angle by gently tilting the lens housing up or down by up to 45 degrees to achieve the desired viewing perspective.



Image: Interior view of a car's dashboard, featuring an in-dash monitor actively displaying the live feed from the backup camera, complete with parking assist lines.

Maintenance

To ensure optimal performance and longevity of your backup camera:

- **Cleaning:** Regularly clean the camera lens with a soft, damp cloth to remove dirt, dust, or debris that may obstruct the view. Avoid abrasive cleaners.
- **Inspection:** Periodically inspect the wiring and connections for any signs of wear, damage, or corrosion. Ensure all connections remain secure.
- **Weather Protection:** While the camera is weather-resistant, extreme conditions like heavy ice buildup should be carefully removed to prevent damage to the lens or housing.

Troubleshooting

Problem	Possible Cause	Solution
No image on monitor when in reverse.	No power to camera. Loose video connection. Monitor not set to correct input.	Check power and ground connections to reverse light circuit. Ensure RCA video cable is securely connected at both ends. Verify monitor is switched to the correct video input for the camera.

Problem	Possible Cause	Solution
Image is blurry or distorted.	Dirty camera lens. Damaged video cable. Poor electrical connection.	Clean the camera lens. Inspect video cable for kinks or damage; replace if necessary. Check all power and video connections for secure fit.
Image flickers or has static.	Electrical interference. Poor ground connection.	Ensure power and video cables are routed away from high-voltage wires. Verify ground connection is solid and free of corrosion.

Specifications

Feature	Detail
Product Dimensions	1.55"L x 3.15"W x 11.43"H
Item Weight	8.8 ounces
Model Number	TFCAM
Color	Black
Screen Size (Compatible)	6 Inches (for monitor display)
Lux Rating	0.2 Lux
Compatible Devices	Monitor
Installation Type	Surface Mount, Plug In
Video Capture Resolution	480p
Voltage	12 Volts
Optical Sensor Technology	CMOS
Lens Type	Wide Angle (170-degree)

Warranty and Support

The Scosche TFCAM Universal Backup Camera is backed by Scosche's One Year Limited Warranty. For technical assistance or warranty claims, please contact Scosche customer support. Lifetime technical support is available for this product.
For the most up-to-date support information, please visit the official Scosche website or refer to the contact details provided with your purchase documentation.

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