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## TTXSCAM TTXSCAM-E01

# TTXSCAM AHD 1080P Backup Camera User Manual

Model: TTXSCAM-E01

Keywords: camera, backup, AHD, 1080P, TTXSCAM, night vision, wide angle, removable guidelines, mirror image, non-mirror image, cars, pickup, SUV, RV, van, E01

## 1. INTRODUCTION

The TTXSCAM E01 AHD 1080P Backup Camera is a versatile and durable accessory designed to enhance vehicle safety and visibility. It offers high-definition imaging and flexible installation options to suit various vehicle types, including pickup trucks, SUVs, RVs, and vans.

### Key Features:

- **AHD 1080P Video Output:** Generates a clear AHD 1080P 25HZ/PAL video signal for high-quality images. Please ensure your monitor or aftermarket stereo head unit supports this specific video signal for compatibility.
- **Image Conversion Capabilities:** Features three loop cables for easy conversion between mirror image (rear view) and non-mirror image (front view), AHD and CVBS video signals, and enabling/disabling parking guidelines.
- **IP68 Waterproof Rating:** Constructed with a unique potting process for commercial-grade waterproofing, ensuring excellent protection against dust and water, and full functionality in wet and harsh environments.
- **Dual Mounting Options:** Provides both bracket mount and flush mount installation methods, allowing users to choose the most suitable option for their vehicle. Note that this is one camera with two installation methods, not two separate cameras.
- **Front and Rear View Versatility:** Can be installed at both the rear and front of the vehicle to eliminate blind spots, improve overall visibility, and assist with navigation and parking maneuvers.



Figure 1: The TTXSCAM E01 Backup Camera, illustrating its two primary mounting styles.

## 2. SETUP AND INSTALLATION

The TTXSCAM E01 camera offers flexible installation to fit various vehicle configurations. Choose between flush mounting for a discreet look or bracket mounting for external placement.

### 2.1 Mounting Options

The camera comes with components for two distinct mounting methods:

- **Flush Mounting:** For a clean, integrated appearance, typically requiring drilling a hole in the vehicle's surface.
- **Bracket Mounting:** For external attachment, providing a simpler installation process.

## Flush Mounting Installation



### As a front view camera without guide line



### As a rear view camera with guide line



Figure 2: Flush Mounting Installation details, including dimensions and visual examples for front and rear camera placement.

## Bracket Mounting Installation



### As a front view camera without guide line



### As a rear view camera with guide line

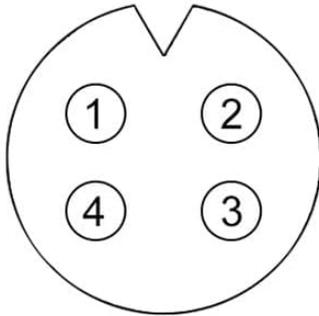


Figure 3: Bracket Mounting Installation details, including dimensions and visual examples for front and rear camera placement.

## 2.2 Wiring Diagram

Proper wiring is crucial for the camera's functionality. The camera uses a 4-pin female plug and an RCA video output. It is designed to work with monitors that support RCA video input. It is NOT compatible with standard dash cams, GPS units, or mirror cams that do not support RCA video input.

# 4PIN Female Plug



- 1.UNDEFINED
- 2.VIDEO
- 3.GND-
- 4.POWER DC3.3V+



## ATTENTION :

This camera has a RCA video output plug, thus it must work with monitors which support RCA video input plug. IT WILL NOT BE COMPATIBLE WITH DASH CAM, MIRROR CAM, GPS, and so on.

Not Suitable



Figure 4: 4-Pin Female Plug pinout and important compatibility notes regarding RCA video output.

Connect the camera to your vehicle's power source and monitor according to the following diagrams. The camera can be connected to a monitor with or without a trigger wire, depending on your head unit's capabilities.

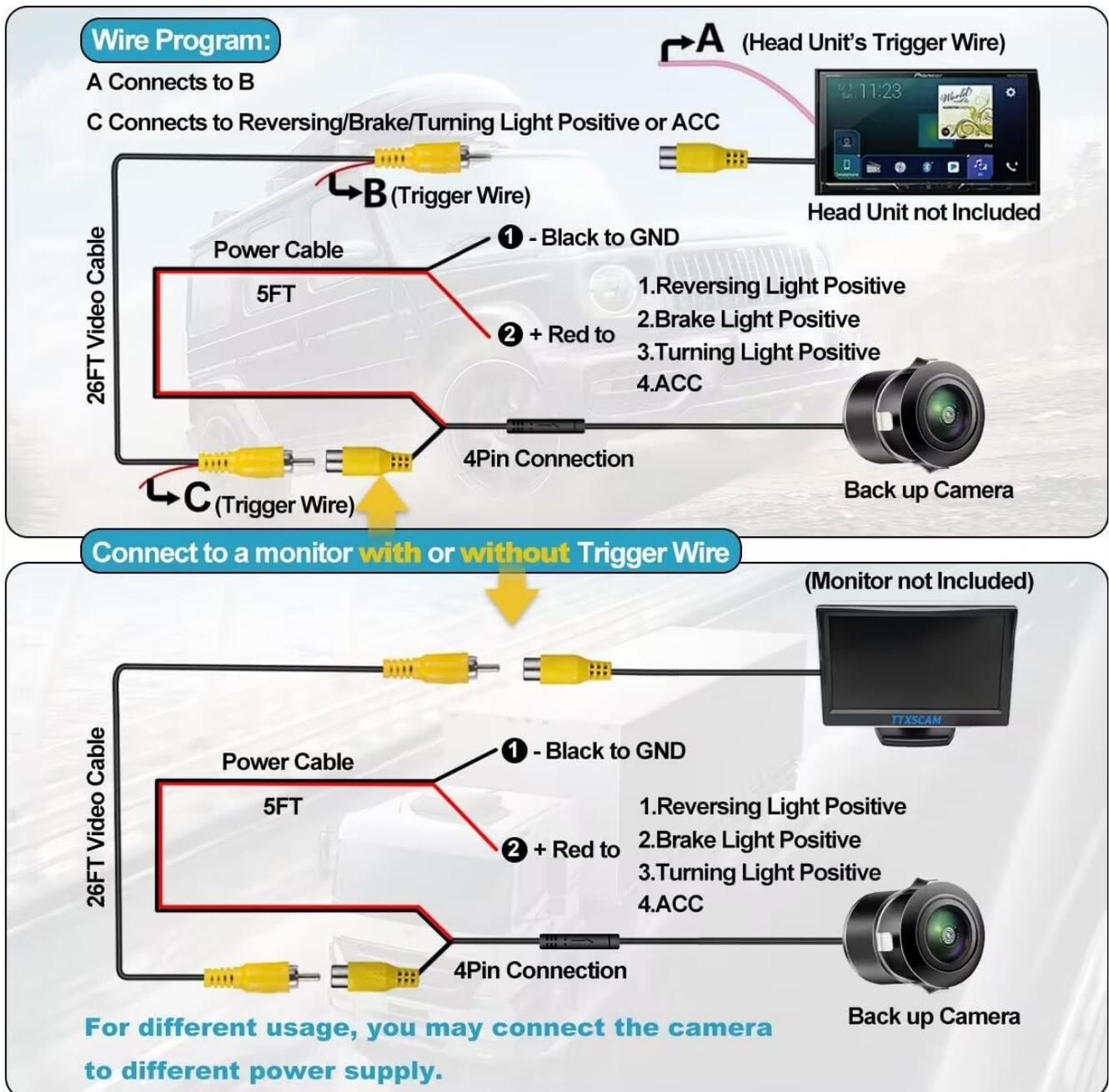


Figure 5: Detailed wiring instructions for connecting the camera to a head unit (with trigger wire) or directly to a monitor (without trigger wire).

### 3. OPERATING THE CAMERA

The TTXSCAM E01 camera offers customizable features through simple cable modifications. These modifications allow you to adapt the camera's output to your specific needs.

#### 3.1 Feature Conversion Cables

The camera includes three loop cables that can be cut to enable or disable certain features:

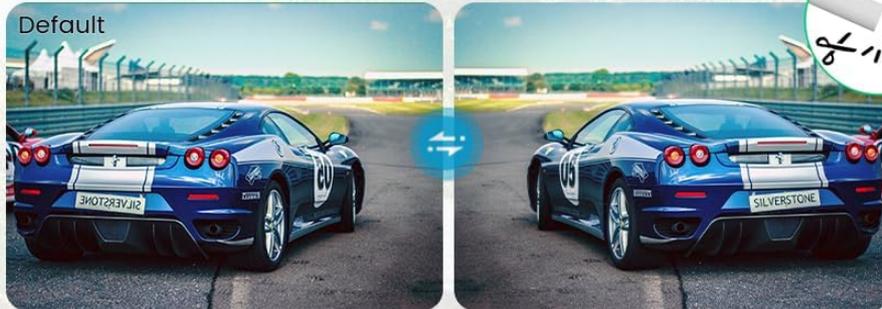
- **White Cable:** Cut this cable to switch between mirror image (default, for rear view) and non-mirror image (for front view).
- **Orange Cable:** Cut this cable to switch the video signal from AHD to CVBS. This is useful if your monitor does not support AHD 1080P 25HZ (PAL) video settings.
- **Green Cable:** Cut this cable to disable the parking guidelines that appear on the video feed.

**Important:** After cutting any cable, remember to reconnect the power source to the camera for the changes to take

effect. You can also reconnect a cut cable if you wish to revert the setting.

## Switcher Cables to Enable More Features

### Mirror(Rear) to Non-mirror(Front)



### AHD to CVBS Video Signal



### Guideline ON to Guideline OFF

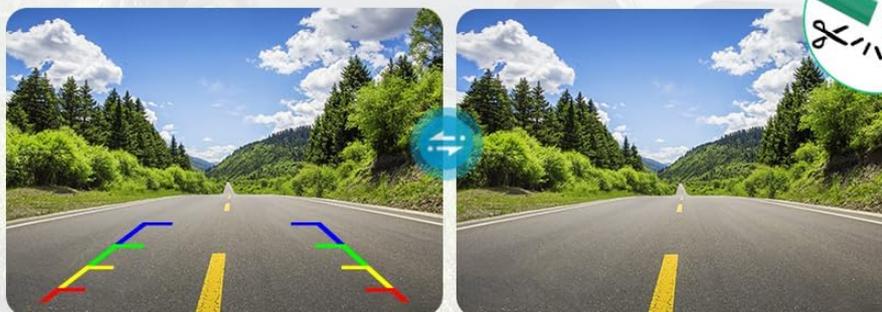


Figure 6: Illustration of the switcher cables and their functions for customizing camera output.

### 3.2 Image Clarity

The camera features a real glass lens and a 170-degree wide viewing angle to provide good clarity images, especially in 1080P resolution. This wide angle helps in minimizing blind spots and providing a comprehensive view of the surroundings.

# AHD 1080P Good Clarity Image

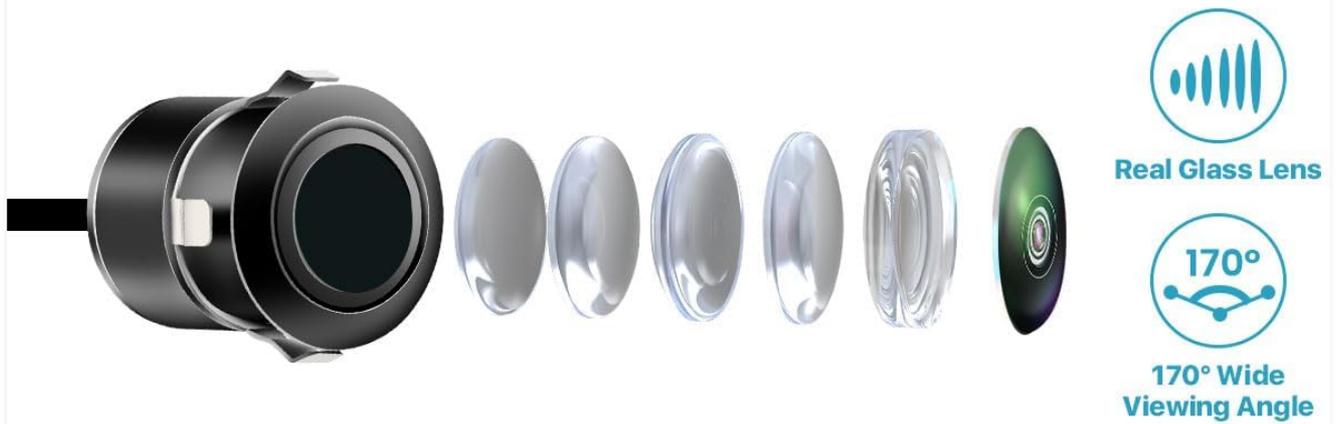


Figure 7: Visual representation of the AHD 1080P image clarity and the camera's lens structure.

## 4. MAINTENANCE

The TTXSCAM E01 camera is designed for durability and minimal maintenance, thanks to its robust construction and IP68 waterproof rating.

### 4.1 Waterproofing

The camera boasts an IP68 rating, signifying its excellent protection against dust and water ingress. This ensures reliable operation even in challenging weather conditions such as rain, snow, or high humidity.



## 100% Waterproof

Uses unique potting process for commercial grade waterproofing, durable and long lasting for years



Figure 8: The camera's IP68 waterproof capability demonstrated in various weather conditions.

### 4.2 Cleaning

To maintain optimal image clarity, periodically clean the camera lens with a soft, damp cloth. Avoid using abrasive cleaners or solvents that could damage the lens or housing.

## 5. TROUBLESHOOTING

If you encounter issues with your TTXSCAM E01 camera, please refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No image or black screen	Loose cable connection; Incorrect power supply; Incompatible monitor.	Check all cable connections (power, video) to ensure they are secure. Verify the camera is receiving 12V DC power. Confirm your monitor supports AHD 1080P 25HZ/PAL video input. If not, try cutting the orange cable to switch to CVBS signal (see Section 3.1).
Image is blurry or distorted	Dirty lens; Incorrect video signal setting; Damaged cable.	Clean the camera lens (see Section 4.2). Ensure the video signal (AHD/CVBS) matches your monitor's capabilities. Inspect video cables for any damage or kinks.
Image is reversed (mirror vs. non-mirror)	White cable setting incorrect.	Cut or reconnect the white cable as needed (see Section 3.1). Remember to cycle power after modification.
Parking guidelines are missing or unwanted	Green cable setting incorrect.	Cut or reconnect the green cable as needed (see Section 3.1). Remember to cycle power after modification.

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

## 6. SPECIFICATIONS

Specification	Value
Brand	TTXSCAM
Item Model Number	TTXSCAM-E01
Product Dimensions	2.49 x 2.03 x 1.83 cm; 22.68 grams
First Available Date	October 20, 2023
Compatible Devices	Monitors supporting AHD 1080P 25HZ/FPS PAL video format and RCA connector
Display Technology	LCD (for compatible monitors)
Mounting Type	Butterfly bracket or flat mount
Video Capture Resolution	1080p
Voltage	12 Volts (DC)
Optical Sensor Technology	CMOS
Lens Type	Wide-angle lens
Real Angle of View	170 degrees

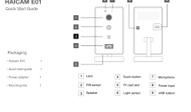
## 7. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation provided with your purchase or contact the retailer. TTXSCAM stands behind the quality of its products.

If you require technical support or have questions regarding the installation or operation of your TTXSCAM E01 camera, please contact TTXSCAM customer service through their official channels or the point of purchase.

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### Related Documents - TTXSCAM-E01

	<p><a href="#">TTXSCAM Motorcycle DVR User Manual with Apple Carplay, Android Auto &amp; TPMS</a></p> <p>Comprehensive user manual for the TTXSCAM Motorcycle DVR, featuring Apple CarPlay, Android Auto, and TPMS. Learn about installation, main screen functions, connectivity, tire pressure monitoring, dash cam settings, playback, Wi-Fi connection, and app usage for this advanced motorcycle recording system.</p>
	<p><a href="#">E01C-ML01SP4 2.4GHz 100mW SPI SMD Wireless Module User Manual</a></p> <p>User manual for the EBYTE E01C-ML01SP4, a 2.4GHz 100mW SPI SMD wireless module based on SI24R1. Features include small size, long-range communication, and various applications. This guide covers introduction, features, technical parameters, hardware/software design, FAQ, welding, and antenna recommendations.</p>
	<p><a href="#">PANTI Food Processor E01 Owner's Guide: Safety, Parts, and Operation</a></p> <p>Comprehensive owner's guide for the PANTI Food Processor E01. Includes safety instructions, parts description, assembly, operation, cleaning, and specifications for this 600W kitchen appliance.</p>
	<p><a href="#">eCalendar Wi-Fi Digital Calendar User Manual</a></p> <p>User manual for the eCalendar Wi-Fi Digital Calendar, detailing setup, features, operation, and troubleshooting for family schedules.</p>
	<p><a href="#">HAICAM E01 Security Camera Quick Start Guide and Warranty Information</a></p> <p>Get started with your HAICAM E01 Security Camera. This guide covers setup, app usage, packaging details, and the one-year limited warranty. Includes FCC compliance information.</p>
	<p><a href="#">Automatic Anti-Barking Device for Dogs - Model E01 User Manual</a></p> <p>User manual and technical specifications for the Automatic Anti-Barking Device for Dogs, Model E01. Learn about its features, operation, installation, troubleshooting, and maintenance.</p>

