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GreenYi GreenYi-177

GreenYi Car Backup Camera User Manual

Model: GreenYi-177

1. PRODUCT OVERVIEW

The GreenYi Car Backup Camera is designed to enhance vehicle safety by providing a clear, wide-angle view of the area behind your vehicle. Featuring dynamic trajectory guidelines, high-definition imaging, and robust waterproof construction, this camera assists in easier and safer parking and reversing maneuvers.

Key Features

- **Dynamic Trajectory Guidelines:** Automatically adjusts guide lines based on the car's moving direction for precise parking.
- **High Definition Imaging:** Equipped with a 4089T CCD image sensor, 960x720 pixels, and 0.01 Lux for superior night vision.
- **Adjustable Fisheye Lens:** 170-degree wide viewing angle with a built-in rotating metal camera body for optimal angle adjustment.
- **IP68 Waterproof Rating:** Designed to operate reliably in extreme weather conditions.
- **Versatile Connectivity:** Works with monitors supporting RCA connection; includes double-shielded video cable for stable signal transmission.

Package Contents

Please ensure all items listed below are present in your package:

- Camera Body
- Two Camera Holders with Accessories
- 26.2FT Double-shielded Video Cable
- 5FT 4Pin to RCA Power Cable
- Many Others Installation Kits (e.g., screws, double-sided adhesive, wrench)



Image: Overview of the GreenYi Car Backup Camera package contents, including the camera, various mounting holders, video cable, power cable, and small installation accessories like screws and a wrench.

2. SAFETY INFORMATION

For your safety and to prevent damage to the product, please observe the following precautions:

- **Small Parts Warning:** The package contains small parts. Keep them out of reach of children to prevent choking hazards.
- **Professional Installation Recommended:** If you are not familiar with car electrical systems, it is highly recommended to have the camera installed by a qualified professional.
- **Power Disconnection:** Always disconnect the vehicle's battery before performing any electrical work to avoid short circuits or electrical shock.
- **Cable Management:** Ensure all cables are routed safely, away from moving parts, heat sources, and sharp edges to prevent damage and interference.

3. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance of your GreenYi Car Backup Camera. Follow these steps carefully.

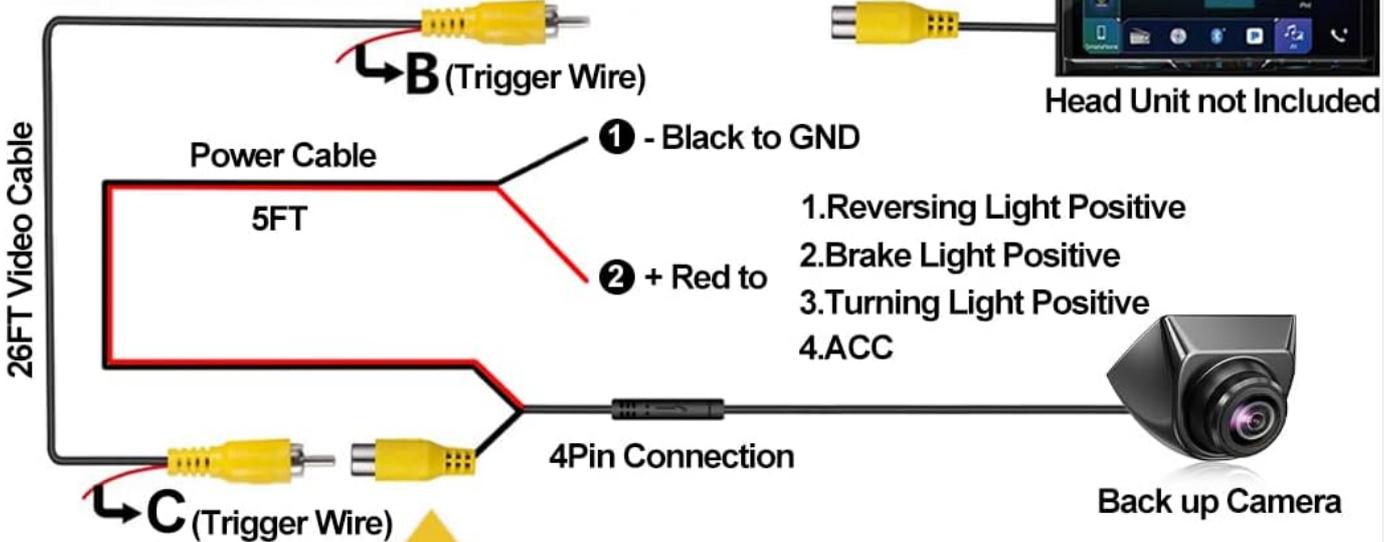
3.1. Wiring Diagram

The camera can be connected to either a head unit (car radio) or a standalone monitor. Refer to the diagram below for correct wiring.

Wire Program:

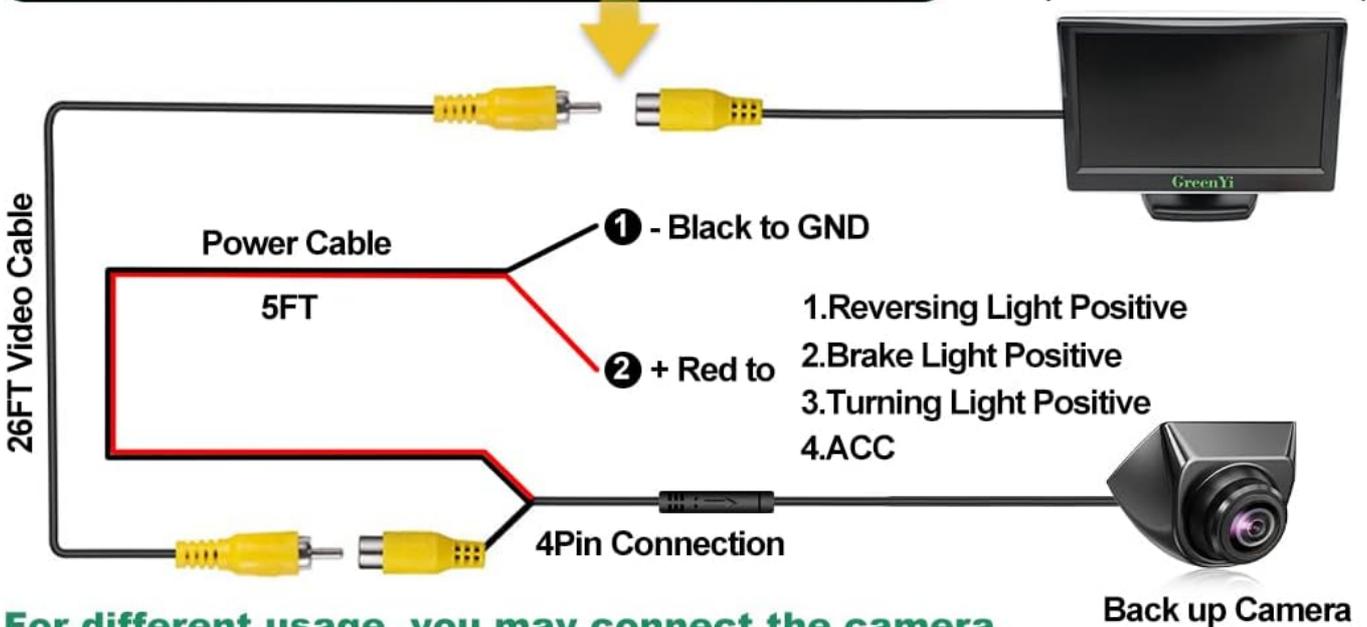
A Connects to B

C Connects to Reversing/Brake/Turning Light Positive or ACC



Connect to a monitor with or without Trigger Wire

(Monitor not Included)



For different usage, you may connect the camera to different power supply.

Image: Detailed wiring diagram showing connections for the GreenYi Car Backup Camera. It illustrates how to connect the camera to a head unit (with trigger wire) or a monitor (with or without trigger wire), specifying connections for GND, Red to Reversing/Brake/Turning Light Positive or ACC, and the 4-Pin to RCA video cable.

• Power Cable (5FT):

- Black wire: Connect to GND (Ground).
- Red wire: Connect to Reversing Light Positive, Brake Light Positive, Turning Light Positive, or ACC (Accessory power), depending on desired camera activation.

• **Video Cable (26.2FT Double-shielded):** Connect the 4-Pin connector from the camera to the corresponding input on the video cable, and the RCA connector to your monitor or head unit.

• **Trigger Wire (if applicable):** If connecting to a radio head unit, ensure the trigger wire (usually a thin red wire alongside the RCA cable) is connected to the head unit's reverse trigger input. For normal mirror or TFT monitors, a

trigger detection cable may not be necessary.

Note: Use all wires provided in the package to ensure quality image and compatibility, as different 4-pin connectors may have varying definitions.

3.2. Physical Installation

The camera is designed for surface mount installation, allowing for horizontal or vertical placement. Choose a location that provides a clear view and is protected from direct impact.



Image: The main GreenYi Car Backup Camera unit, showcasing its compact design and the dynamic trajectory lines it projects.

- **Mounting Location:** Typically installed near the license plate light or on the rear bumper for a clear view behind the vehicle. For front or side view, choose an appropriate location that does not obstruct vision or vehicle functions.
- **Secure Mounting:** Use the provided camera holders, screws, and double-sided adhesive to securely mount the camera. Ensure it is firmly attached to prevent vibration and misalignment.
- **Cable Routing:** Carefully route the video and power cables through the vehicle's interior, avoiding sharp edges, moving parts, and areas exposed to excessive heat or moisture. Use cable ties or clips to secure them.

3.3. Adjusting Camera Angle

The GreenYi camera features a built-in rotating metal body, allowing you to adjust the viewing angle precisely without needing additional gaskets.



Image: Diagram illustrating the adjustable camera body, showing how the lens part can be rotated up to 45 degrees in two axes (pitch and yaw) using a mini wrench to achieve the best viewing angle.

- Use the provided mini wrench to loosen the adjustment screw on the camera body.
- Gently rotate the lens part to achieve the desired viewing angle.
- Once the optimal angle is found, tighten the adjustment screw to secure the camera in place.

4. OPERATING INSTRUCTIONS

Understand how to utilize the key features of your GreenYi Car Backup Camera for enhanced driving safety.

4.1. Dynamic Trajectory Guidelines

The camera's advanced chip enables dynamic trajectory guidelines that automatically adjust based on your vehicle's

movement, assisting in precise parking.

Auto-adjusted trajectory guide line



Adjust the guide line automatically according to the moving direction and speed of the car, help you park easier.

Steering Wheel Control Not Available.

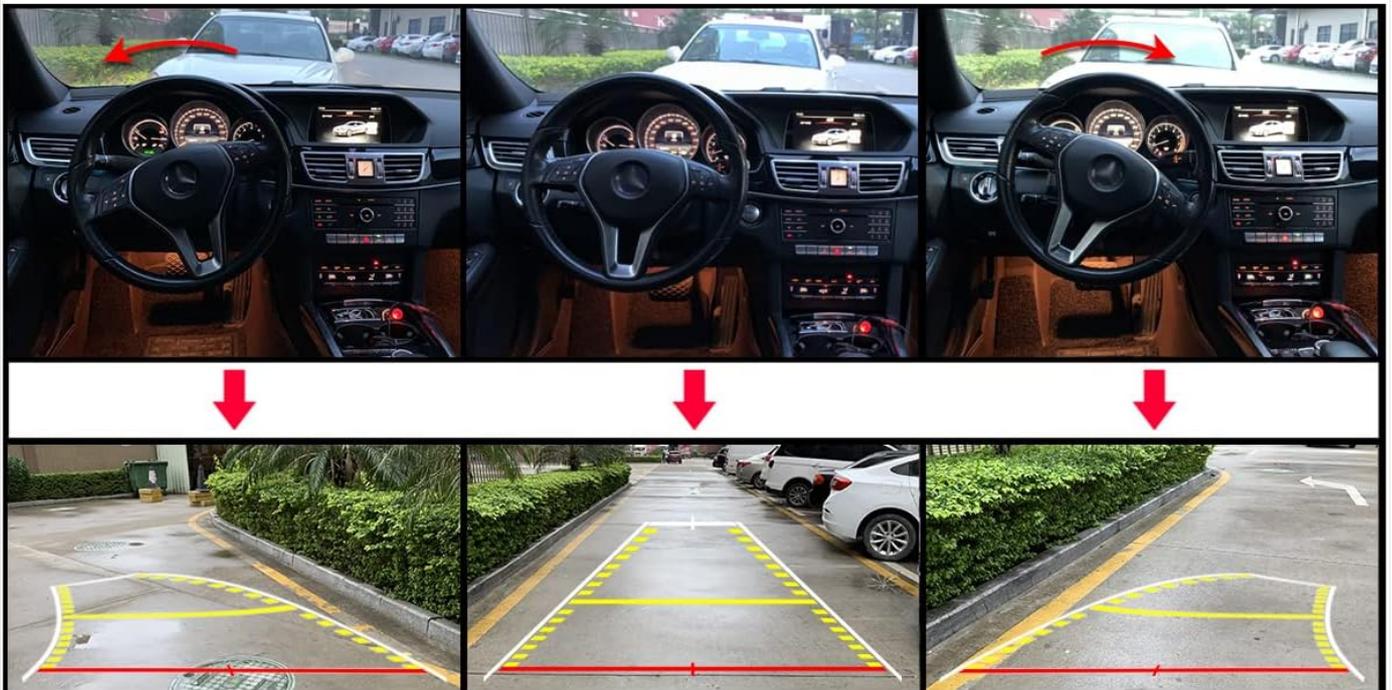


Image: A monitor displaying the camera's view with auto-adjusted trajectory guide lines. The image also shows how the lines change as the car turns, indicating the projected path.

- When the camera is active (e.g., when reversing), the guidelines will appear on your monitor.
- As you turn the steering wheel, the yellow trajectory lines will curve to indicate the predicted path of your vehicle. The red line typically indicates the closest safe stopping distance.
- *Note: Steering wheel control for the guidelines is not available; they adjust based on the car's moving direction.*

4.2. Trajectory Guideline Switch

You have the option to disable the dynamic trajectory guidelines if preferred.

Trajectory Guideline Switch



Parking line switch



Image: A close-up of the camera's cable showing a green loop, which functions as the parking line switch. A scissor icon indicates where to cut the cable to disable the guidelines.

- To turn off the guide lines, locate the green switcher cable (a small loop) on the camera's wiring harness.
- Carefully cut this green cable.
- After cutting, reconnect the power supply to the camera for the change to take effect.
- If you wish to re-enable the guidelines later, you can reconnect the cut ends of the green cable.

4.3. Night Vision Performance

The camera features excellent low-light performance for clear visibility in dark conditions.



Image: A simulated view from the camera at night, demonstrating its "Top Starlight Night Vision" capability, showing a clear road and surrounding environment under low light conditions.

- With a 0.01 Lux minimum illumination, the camera provides high-quality images even in very low light environments.
- This feature significantly improves visibility when reversing or parking at night.

5. MAINTENANCE

To ensure the longevity and optimal performance of your GreenYi Car Backup Camera, follow these maintenance guidelines:

- **Cleaning the Lens:** Regularly 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:** Periodically inspect all cable connections to ensure they are secure and free from corrosion or damage.
- **Waterproof Integrity:** The camera is IP68 rated. While highly waterproof, avoid directing high-pressure water jets directly at the camera for extended periods, especially during car washes, to prevent potential seal degradation over time.
- **Environmental Protection:** Although designed for extreme conditions, prolonged exposure to direct sunlight or extreme temperatures when the vehicle is parked can affect electronic components over many years. Parking in shaded areas when possible can help.

Waterproof Grade: IP68

IP68-Rated for Use
in Extreme Conditions



Image: The GreenYi camera partially submerged in water with bubbles, illustrating its IP68 waterproof rating and ability to withstand extreme conditions.

6. TROUBLESHOOTING

If you encounter issues with your GreenYi Car Backup Camera, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No image on monitor/head unit	<ul style="list-style-type: none"> Loose or incorrect power connection. Loose or incorrect video cable connection. Incorrect trigger wire connection (for head units). Faulty camera or cable. 	<ul style="list-style-type: none"> Check all power connections (red to positive, black to ground). Ensure video cable is securely connected to both camera and monitor/head unit. Verify the trigger wire is correctly connected to the head unit's reverse input. Test camera with another compatible monitor/power source if possible.
Image is shaky or low resolution	<ul style="list-style-type: none"> Incorrect resolution setting on monitor/head unit. Interference from vehicle's electrical system. Damaged video cable. 	<ul style="list-style-type: none"> Check monitor/head unit settings to ensure it supports 960x720 resolution. Ensure the double-shielded video cable is used and properly routed away from power lines. Inspect video cable for kinks or damage.
Dynamic guidelines not appearing or not moving	<ul style="list-style-type: none"> Green switcher cable cut. Camera not receiving proper vehicle speed/direction data (less common for this model). 	<ul style="list-style-type: none"> Check if the green switcher cable is cut. If so, reconnect it and cycle power. Ensure camera is powered correctly when vehicle is in reverse.
Poor night vision	<ul style="list-style-type: none"> Dirty camera lens. Insufficient ambient light for optimal performance. 	<ul style="list-style-type: none"> Clean the camera lens thoroughly. Ensure vehicle's reverse lights are functioning correctly.

If the problem persists after attempting these solutions, please contact GreenYi customer support for further assistance.

7. SPECIFICATIONS

Feature	Detail
Model Number	GreenYi-177
Image Sensor	4089T CCD
Resolution	960x720 Pixels
Lens Type	Fisheye lens, wide viewing angle
Real Angle of View	170 Degrees
Minimum Illumination	0.01 Lux / F1.2
Waterproof Rating	IP68

Feature	Detail
Connector Type	4-Pin Mini DIN, RCA
Voltage	24 Volts (Compatible with 12V systems via included power cable)
Product Dimensions	1.26 x 1.22 x 0.94 inches
Item Weight	2.08 ounces
Installation Type	Surface Mount, Horizontal or Vertical face

8. WARRANTY AND SUPPORT

GreenYi is committed to providing high-quality products and customer satisfaction.

Warranty Information

Your GreenYi Car Backup Camera comes with the following warranty:

- **One Month Money Back Guarantee:** If you are not satisfied with the product within one month of purchase.
- **Two Years New Replacement:** For any manufacturing defects or malfunctions within two years from the date of purchase.
- **Lifetime Customer Service:** Ongoing support for the lifespan of the product.

Customer Support

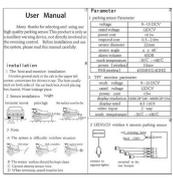
For technical assistance, warranty claims, or any other inquiries, please contact GreenYi Technology customer service. You can typically find contact information on the GreenYi official website or through your purchase platform.

Please have your product model number (GreenYi-177) and purchase details ready when contacting support.

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For more information, visit the [GreenYi Store](#).

Related Documents - GreenYi-177

	<p>GreenYi Car Rear View Camera Installation Guide</p> <p>Installation guide for GreenYi car rear view camera systems, detailing wiring connections for monitor, power, and trigger wires for optimal parking assistance.</p>
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 <p>Can Be Used as Rear, Side or Front Camera</p>	<p>GreenYi Wireless Hitch Camera: Installation and Usage Guide</p> <p>Comprehensive guide to installing and using the GreenYi 5G WiFi Magnetic Hitch Wireless Rear View Camera for trailers, RVs, and trucks. Features include night vision, a fisheye lens, and easy magnetic mounting.</p>
	<p>GreenYi 1280*720 Wireless 4CH DVR System with IPS Screen - User Manual</p> <p>User manual for the GreenYi 1280*720 Wireless 4CH DVR System with IPS Screen, detailing installation, features like blind zone function, and frequently asked questions. Includes information on system setup, camera operation, and troubleshooting.</p>
 <p>BADGE FLIP CAMERA installate-instructies</p>	<p>GreenYi Badge Flip Camera Installation Guide</p> <p>Comprehensive installation instructions for the GreenYi Badge Flip Camera, including wiring diagrams, preparation steps, installation procedures, and troubleshooting FAQs for various VW models.</p>
 <p>User Manual for AHD 1080P Backup Camera</p>	<p>GreenYi AHD 1080P Backup Camera User Manual</p> <p>User manual for the GreenYi AHD 1080P Backup Camera, detailing specifications, installation, wiring, and troubleshooting.</p>
 <p>User Manual</p>	<p>GreenYi Parking Sensor User Manual</p> <p>User manual for GreenYi parking sensor system, detailing installation, operation, and technical specifications for vehicle safety.</p>