GreenYi GreenYi-140

GreenYi HD 720P Vehicle Backup Camera Instruction Manual

Model: GreenYi-140

1. PRODUCT OVERVIEW

The GreenYi HD 720P Vehicle Backup Camera is designed to provide a clear rear view for various Audi and Volkswagen models. This trunk handle replacement camera offers a 1280*720 resolution, a 170-degree viewing angle, and IP68 waterproof rating for reliable performance in diverse conditions. It supports both AHD and CVBS video signals and features adjustable guidelines.

Image 1.1: GreenYi HD 720P Vehicle Backup Camera. This image displays the camera unit integrated into a trunk handle housing, with an RCA video connector visible.

2. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x GreenYi HD 720P Backup Camera (Trunk Handle Replacement)
- 1 x 19.69FT RCA Video Cable
- 1 x 4.92FT DC Power Cable
- 1 x Female to Female RCA Coupler

Image 2.1: Package Contents. This image shows the backup camera, its retail box, the video cable, and the power cable.

3. SETUP AND INSTALLATION

3.1 Compatibility Check

Before installation, ensure the camera is compatible with your vehicle. This camera is designed for specific Audi and VW models. It is crucial to measure your vehicle's trunk handle dimensions and compare them with the camera's dimensions to confirm fitment. The camera requires a monitor with an RCA connector for video input.

- **Compatible Models (Reference Only):**

- Volkswagen Jetta MK6 (2010-2018), Jetta/Sagitar (2012-2017), Lavida (2011-2016), Gran Lavida (2013, 2015), Passat (2012-2016), Passat B5 (2009-2010), New Passat (2011, 2013, 2015), Sharan Seat Alhambra 7N (2011-2015), Tiguan (5N facelift) (2008-2015), Touareg (2011-2016), Touran 1T3 1T2 (2011-2015), Caddy 4 (2011-2015), T5 Facelift (2011-2015), Golf Sportwagen 2.5 (2011-2015), Golf VI Variant (from 2010)
- Audi A3 A6L (2012-2017), A4 B8 (Facelift) (2008-2015), A4 B6 A4L A5 A8L S5 S3 (2011-2015), Q3 Q5 (2012-2016), Q7 (2015-2017), RS6 (2009-2015)
- Porsche Cayenne 958 (2011-2015)
- Seat Skoda Fabia Octavia Superb Rapid Spaceback (2015)

Note: The listed car models are for reference only. Always verify the physical dimensions of your trunk handle and the camera to ensure compatibility. This camera only supports RCA connection. If your monitor does not support RCA, it is not compatible.

Check Size before Placing Order

4.33in

1.93in

2.76in

Image 3.1: Camera Dimensions. This image provides a diagram with measurements of the camera unit (4.33 inches length, 1.93 inches width, 2.76 inches depth) to assist with compatibility checks.

Comparison Between before and after Installation

Before

1.89Inch

4.41Inch

Installation Position

After

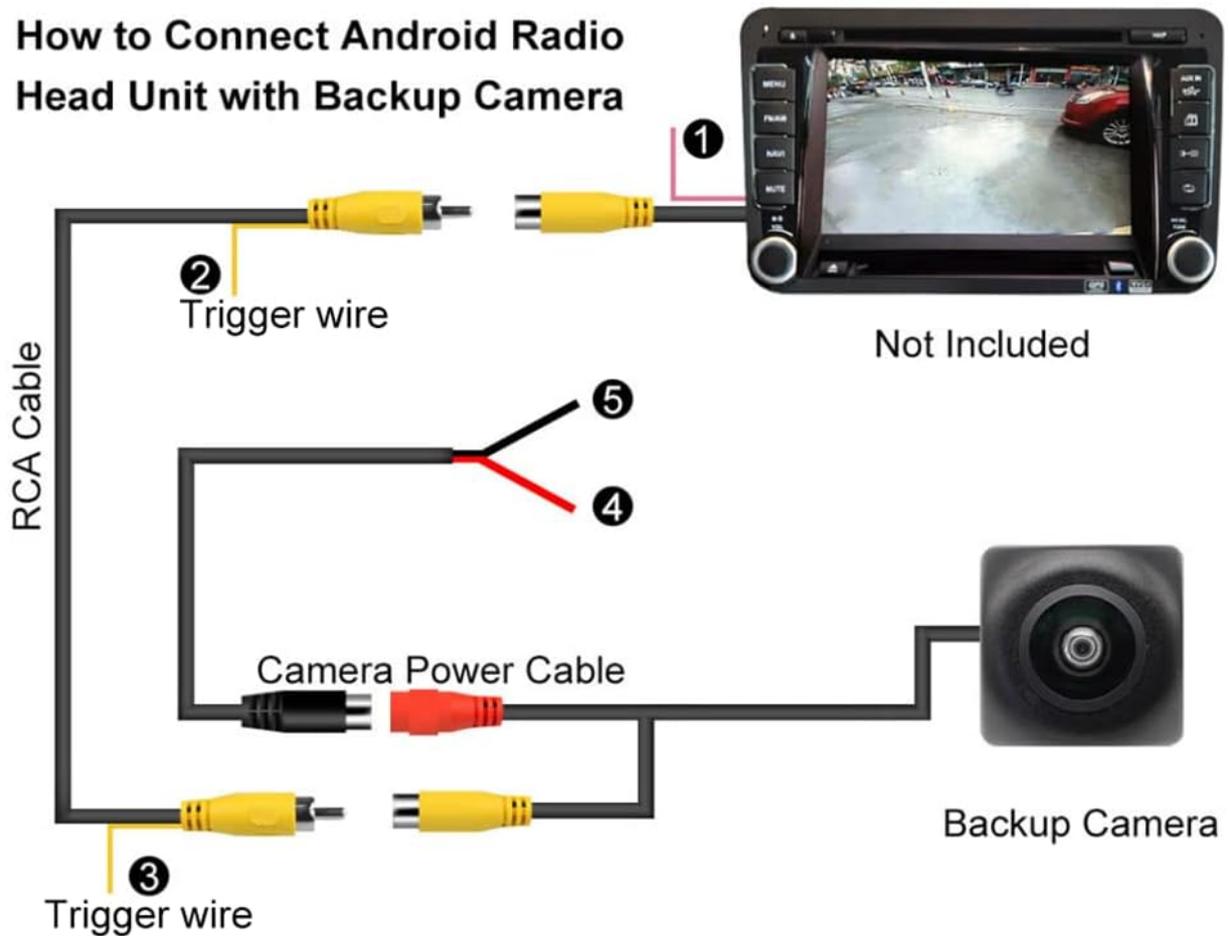**Note:** Please check your TRUNK SIZE to see if compatible

Image 3.2: Installation Position Comparison. This image shows a 'Before' view of a car's trunk handle opening with dimensions (1.89 inch height, 4.41 inch width) and an 'After' view with the GreenYi camera installed, demonstrating the integrated fit.

3.2 Wiring Diagram

Follow the diagram below for proper connection to an Android radio head unit or compatible monitor.

1. Connect the RCA video cable from the camera to the video input (usually labeled 'CAM IN' or 'REAR VIEW') on your head unit/monitor.

2. Connect the camera's power cable (red and black wires) to the vehicle's reversing light circuit. The red wire connects to the positive (+) terminal of the reversing light, and the black wire connects to the negative (-) terminal (ground).

3. Connect the trigger wire (usually a thin red wire integrated with the RCA cable) from the camera side to the reverse trigger input on your head unit/monitor. This signal tells the head unit to switch to the camera view when reverse gear is engaged.

Image 3.3: Wiring Diagram. This diagram illustrates how to connect the backup camera to an Android radio head unit, showing connections for the RCA cable, trigger wires, and camera power to the car's reversing light.

3.3 Video Signal Selection (AHD/CVBS)

The camera supports both AHD (Analog High Definition) and CVBS (Composite Video Broadcast Signal) video formats. By default, the camera outputs a CVBS signal. To switch to AHD 720P 30HZ, cut the white cable loop on the camera's wiring harness and then reconnect the camera to its power supply. AHD provides a clearer image than CVBS.

3.4 Guideline Adjustment

The camera comes with parking guidelines enabled by default. To disable the guidelines, cut the green cable loop on the camera's wiring harness and then reconnect the camera to its power supply.

Two Switch Cables to Enable More Functions

Cut white cable to get AHD video signal
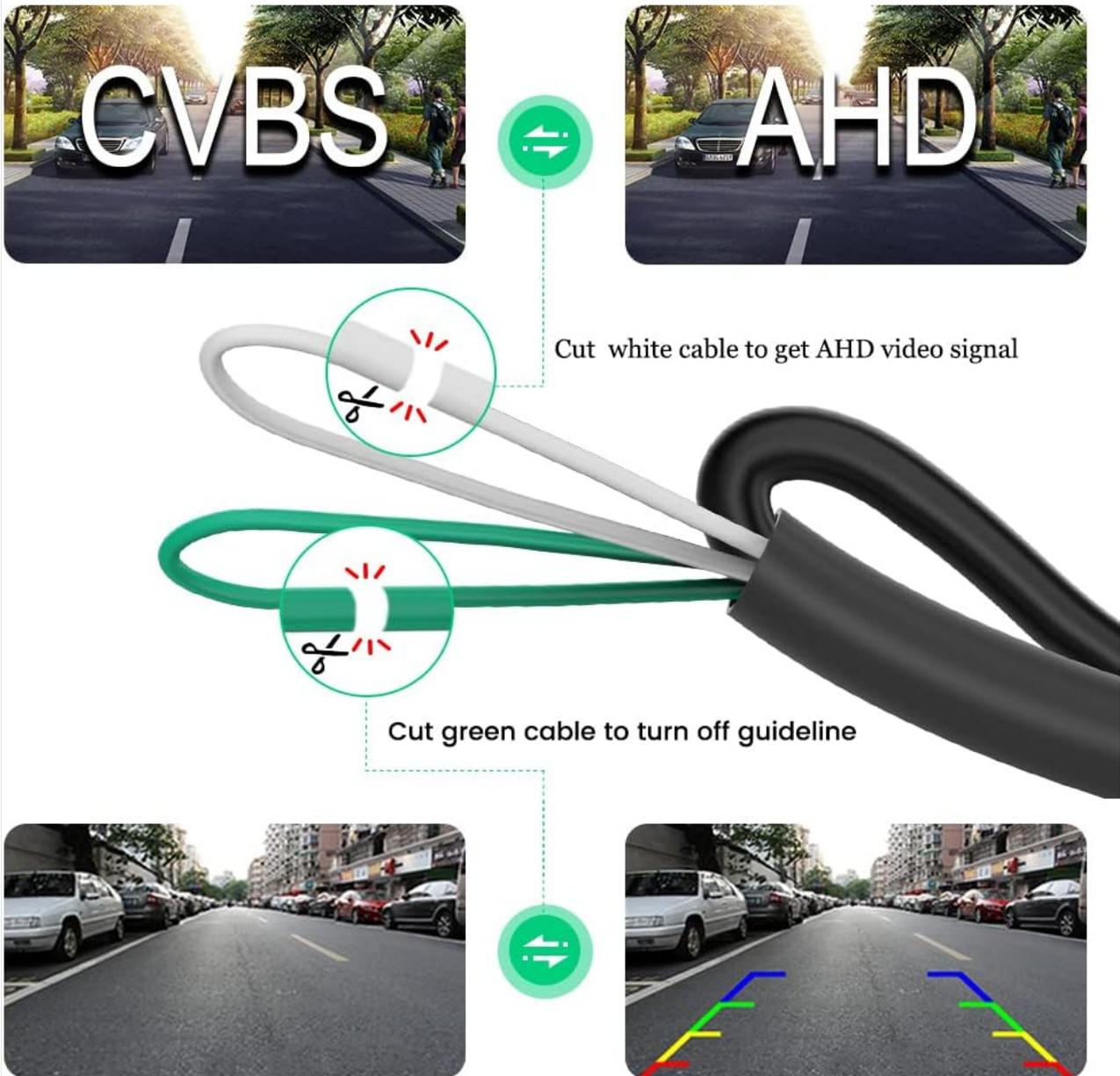
Cut green cable to turn off guideline

Image 3.4: Switch Cables. This image shows the white cable loop for switching between CVBS and AHD video signals, and the green cable loop for enabling or disabling parking guidelines.

4. OPERATION

Once installed and wired correctly, the backup camera will automatically activate and display the rear view on your connected monitor when the vehicle is shifted into reverse gear. The 720P resolution and 170-degree wide-angle lens provide a comprehensive view of the area behind your vehicle.

Image 4.1: Compatible Display Types. This image illustrates various display options for the backup camera, including car stereo MP5 players, Android head units, car mirror monitors, and dedicated car monitors.

5. MAINTENANCE

The GreenYi backup camera is designed for durability with an IP68 waterproof rating. To ensure optimal performance and longevity:

- **Cleaning:** Periodically clean the camera lens with a soft, damp cloth to remove dirt, dust, or water spots that may obstruct the view. Avoid abrasive cleaners.
- **Inspection:** Regularly check the wiring connections for any signs of wear, corrosion, or looseness. Ensure the camera is securely mounted in the trunk handle.
- **Environmental Factors:** While waterproof, extreme temperatures or prolonged exposure to harsh chemicals should be avoided.

6. TROUBLESHOOTING

- **No Image on Monitor:**

- Ensure all power and video connections are secure and correctly wired.
- Verify that your monitor supports RCA video input.
- Check if the reverse trigger wire is correctly connected to your head unit/monitor.
- For some car models, the vehicle's power supply may be too high or too low, requiring an additional relay filter (not included) for stable operation.

- **Fuzzy or Poor Image Quality:**

  - Clean the camera lens.
  - If your monitor supports AHD, ensure the white cable loop has been cut to activate AHD mode. AHD provides a clearer image than CVBS.
  - Verify that your monitor is set to the correct video input mode.
  - Ensure the video cable is double-shielded to prevent interference. The included cable is double-shielded for stable signal transmission.
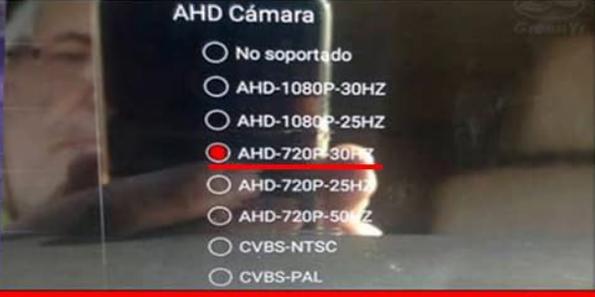

Image 6.1: AHD Camera Features and Settings. This image compares the GreenYi 720P AHD camera with a generic camera, highlighting features like 170-degree view and AHD 1280*720 resolution. It also shows a monitor interface with

Double-Shielded Video Cable

More Stable video signal transmission, less interference and delay, no signal attenuation
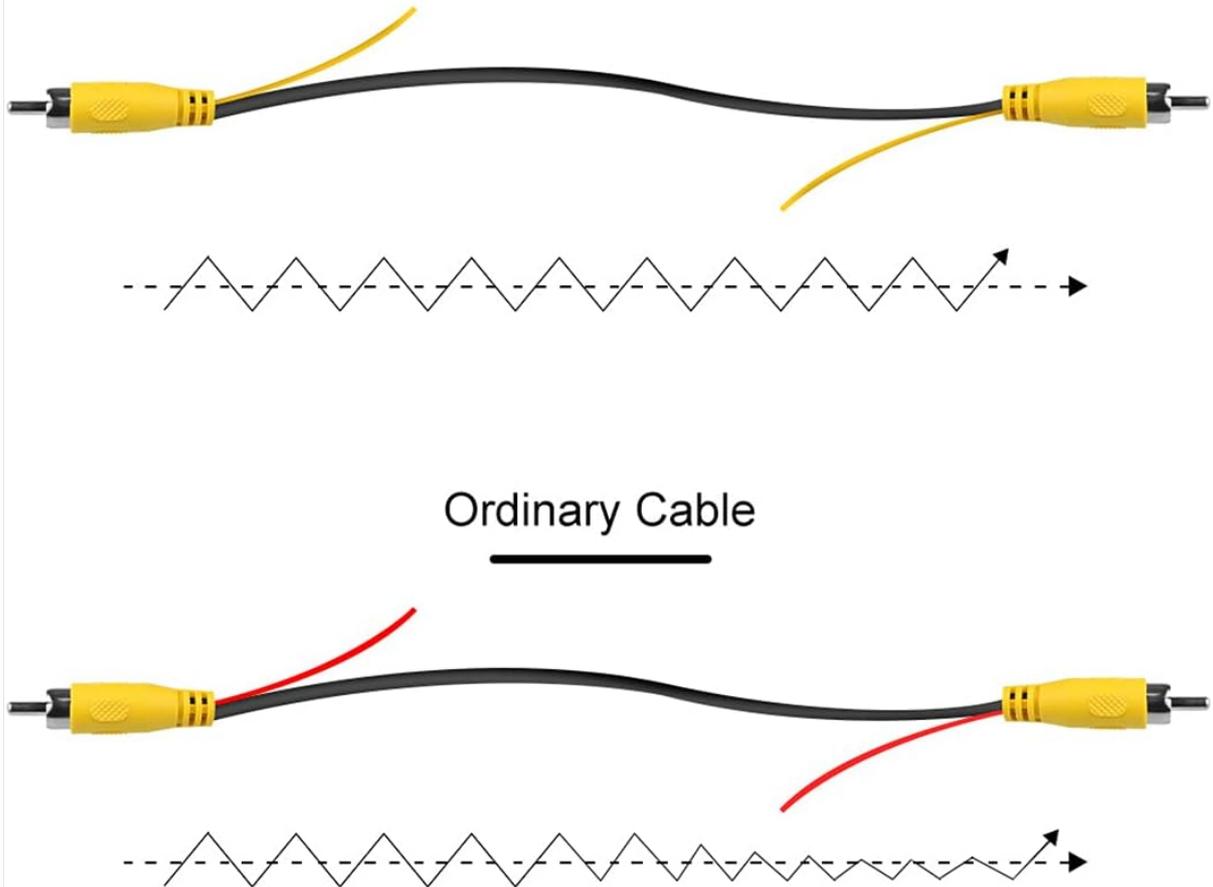
Ordinary Cable

Image 6.2: Double-Shielded Video Cable. This image illustrates the difference between a double-shielded video cable, which provides stable signal transmission, and an ordinary cable prone to interference and signal attenuation.

- **No Parking Guidelines or Incorrect Guidelines:**

  - If guidelines are not present, ensure the green cable loop has not been cut.
  - If guidelines are present but undesired, cut the green cable loop to disable them.

- **Limited Field of View (e.g., mostly street view on lowered vehicles):**

  - The camera's mounting position and angle are fixed as a trunk handle replacement. On vehicles with lowered ride height, the camera's perspective may be lower, showing more of the street and less of objects directly behind the vehicle. This is a characteristic of the installation type and not a defect of the camera.

7. Specifications

Feature	Specification

Feature	Specification
Model Number	GreenYi-140
Resolution	HD 720P (1280*720)
Viewing Angle	170 Degrees (Real Angle of View: 155 Degrees)
Video Signal Output	CVBS (default), AHD (selectable)
Waterproof Rating	IP68
Installation Type	Trunk Handle Replacement
Compatible Devices	Screen Monitors that Support RCA Video Input
Voltage	12 Volts
Optical Sensor Technology	CCD
Lens Type	Wide Angle
Connector Type	RCA
Product Dimensions	4.42 x 1.96 x 1.74 inches
Item Weight	8.8 ounces

8. SUPPORT

For technical assistance or inquiries regarding your GreenYi HD 720P Vehicle Backup Camera, please contact GreenYi customer support. Refer to the product packaging or the GreenYi official website for contact information.

Related Documents - GreenYi-140

[GreenYi Badge Flip Camera Installation Guide](#)
Comprehensive installation instructions for the GreenYi Badge Flip Camera, including wiring diagrams, preparation steps, installation procedures, and troubleshooting FAQs for various VW models.

[5G WiFi Wireless HD 720P License Plate Backup Camera User Manual](#)
Comprehensive user manual for the GreenYi 5G WiFi Wireless HD 720P License Plate Backup Camera. Learn about features, installation, app usage, troubleshooting, and specifications for enhanced vehicle safety and convenience.

[GreenYi 1280*720 Wireless 4CH DVR System with IPS Screen - User Manual](#)
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.

[GreenYi Wireless Hitch Camera: Installation and Usage Guide](#)
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.

[GreenYi Car Rear View Camera Installation Guide](#)
Installation guide for GreenYi car rear view camera systems, detailing wiring connections for monitor, power, and trigger wires for optimal parking assistance.

[GreenYi AHD 1080P Backup Camera User Manual](#)
User manual for the GreenYi AHD 1080P Backup Camera, detailing specifications, installation, wiring, and troubleshooting.