

## AUCARAUTO B0BYCSX2DB

# AUCARAUTO HD 720P Backup/Front/Side View Camera Instruction Manual

Model: B0BYCSX2DB

## 1. INTRODUCTION AND OVERVIEW

---

This manual provides comprehensive instructions for the AUCARAUTO HD 720P Backup/Front/Side View Camera. Designed for versatility, this camera can be utilized as a rear, front, or side view camera, offering enhanced visibility and safety for various vehicles. Key features include HD 720P resolution, a wide 170-degree viewing angle, IP69K waterproof construction, and clear night vision capabilities.

## 2. PRODUCT FEATURES

---

- **Durable & Waterproof Design:** Constructed with a durable metal housing and fully sealed with glue, this camera boasts an IP69K waterproof rating, ensuring reliable performance in various weather conditions, free from water, fog, or mist intrusion.
- **High-Definition Imaging:** Features a 648Hx504V effective pixel image sensor with 480TV Lines resolution and a 0.01 Lux minimum illumination level. Its 6-glass lens system provides 100% true color reproduction.
- **Wide Viewing Angle:** An extra-wide 170-degree viewing angle lens effectively reduces blind spots, providing excellent visibility for safer maneuvering.
- **Versatile Functionality:** This compact camera includes three switcher cables, allowing it to function as a rear, front, or side view camera. Users can easily switch between mirror/positive images, enable/disable parking guide lines, and adjust the mounting position to suit specific needs.
- **Universal Compatibility:** Equipped with a 32.8ft RCA video cable, the camera is compatible with most DC 12-24V vehicles, including cars, SUVs, pickup trucks, RVs, and vans. It integrates seamlessly with car radios, monitors, DVD players, or screens featuring an RCA connector.

## 3. PACKAGE CONTENTS

---

Please verify that all items listed below are included in your package:



## Complete Accessories

Your Exclusive Backup Camera



## Applicable Different Model Vehicles

Designed for Car, Pickup, Truck, SUV, Minivan and Sedans



Image: Contents of the AUCAR AUTO Backup Camera package, including the camera, cables, and installation accessories.

- AUCAR AUTO HD 720P Camera Unit
- 32.8ft RCA Video Cable
- Power Cable
- Installation Hardware (nuts, washers, screws)
- Installation Tools (trim tool, electrical tape, connectors)
- User Manual

## 4. SETUP AND INSTALLATION

Proper installation is crucial for optimal camera performance. It is recommended to test the camera functionality before completing the full installation.

### 4.1 Compatibility Check

This camera is designed for **CVBS/CCD monitors only**. It is **not compatible with AHD vehicles**. Ensure your vehicle's monitor supports CVBS/CCD input before installation.

### 4.2 Wiring Diagram

Connect the camera to your vehicle's power supply (DC 12-24V) and monitor using the provided RCA video cable. The red wire typically connects to the positive (+) power source (e.g., reverse light for backup camera function), and the black wire connects to ground (-). The yellow RCA connector plugs into your monitor's video input.

# APPLICABLE ALL VEHICLE TYPES

Designed for Car, Pickup, Truck, SUV, Minivan and Sedans



Image: Detailed wiring diagram showing connections for the camera to the vehicle's power and monitor.

Note: The camera and extension cables are proprietary. If replacing an existing camera, ensure the entire original camera kit is replaced with the AUCARAUTO kit.

## 4.3 Mounting Options

The compact design allows for flexible mounting as a front, side, or rear view camera. The included hardware facilitates secure installation. Adjust the camera's angle for optimal viewing.

# MINI SIZE AND DIY INSTALLATION



Front View



Side View



Rear View

Image: Examples of various mounting locations for the camera, including front, side, and rear views on different vehicle types.

## 4.4 Image Customization

Utilize the switcher cables to customize the camera's output:

- **Mirror/Positive Image:** Adjust for rear view (mirror image) or front/side view (positive image).
- **Guide Lines:** Enable or disable parking guide lines as desired.

# RICH FUNCTION OPTIONS



Horizontal Suspension Installation



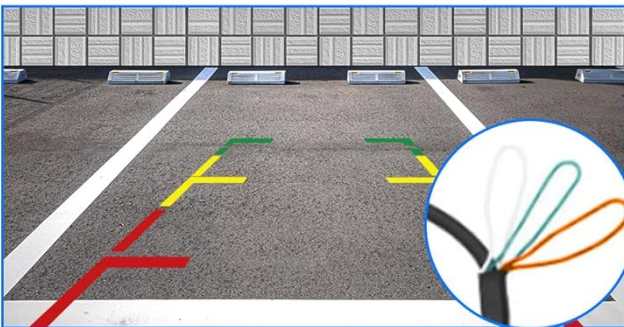
180° Flip Sitting Installation



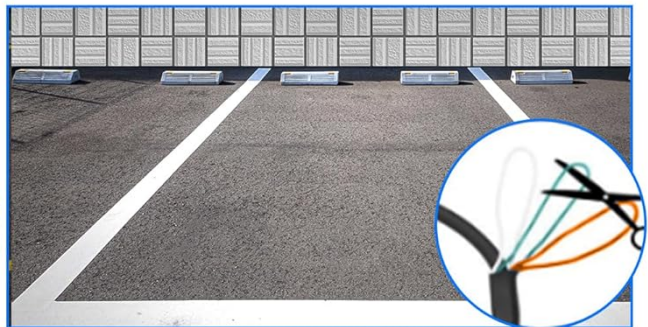
Mirror Image (Rear View)



Positive Image (Front View)



Guidelines turn on



Guidelines turn off

Image: Visual representation of the switcher cable functions for mirror/positive image and guide line activation/deactivation.

## 5. OPERATING INSTRUCTIONS

Once installed and configured, the camera operates as follows:

- **Automatic Activation (Rear View):** If connected to your vehicle's reverse light, the camera will automatically activate and display the rear view on your monitor when the vehicle is shifted into reverse.
- **Manual Activation (Front/Side View):** For front or side view applications, the camera typically requires manual activation via your vehicle's head unit or a dedicated switch, depending on your specific installation setup.
- **Night Vision:** The camera's 0.01 Lux minimum illumination level and advanced image sensor provide clear visibility in low-light conditions.

# AMAZING CLEAR IMAGE



Sony Sensor



800 TVL



0.01 Lux



Large Aperture

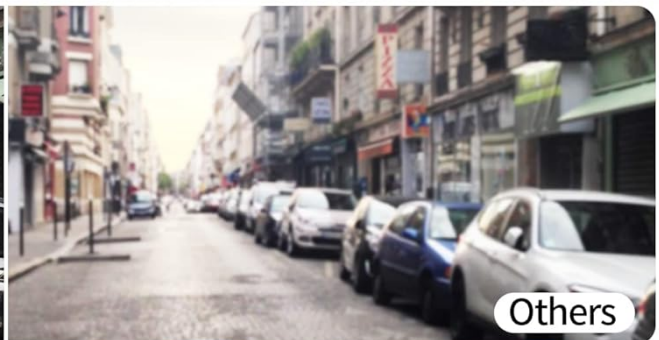


Image: Comparison of camera image clarity during day and night conditions, highlighting the effective night vision.

## 6. MAINTENANCE

To ensure the longevity and optimal performance of your AUCARAUTO camera, follow these simple maintenance guidelines:

- **Lens Cleaning:** 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.
- **Connection Check:** Periodically inspect all cable connections to ensure they are secure and free from corrosion or damage.
- **Waterproof Integrity:** The IP69K rating provides excellent protection. However, avoid directing high-pressure water jets directly at the camera for extended periods.

## 7. TROUBLESHOOTING

If you encounter issues with your camera, refer to the following troubleshooting tips:

- **No Image or Black Screen:**

- Verify that your monitor is compatible with CVBS/CCD input. This camera does not support AHD monitors.
- Check all power and video cable connections to ensure they are securely attached.
- Confirm the camera is receiving power (e.g., reverse lights are on if used as a backup camera).

- **Blurry or Distorted Image:**

- Ensure the camera lens is clean and free from obstructions.
- For certain vehicles (e.g., Dodge, Audi, BMW, Benz), electrical interference can cause image blur. Consider installing a 12V DC power adapter filter rectifier to stabilize the power supply.

- **Incorrect Image Orientation (Mirror/Positive) or Missing Guide Lines:**

- Refer to Section 4.4 "Image Customization" and use the provided switcher cables to adjust the image orientation or enable/disable guide lines.

If troubleshooting steps do not resolve the issue, please contact AUCARAUTO customer support for assistance.

## 8. SPECIFICATIONS

---

<b>Brand</b>	AUCARAUTO
<b>Model</b>	B0BYCSX2DB
<b>Product Dimensions (L x W x H)</b>	1.06" x 1.06" x 0.83"
<b>Compatible Devices</b>	Monitors with RCA (CVBS/CCD) input
<b>Installation Type</b>	Flush Mount
<b>Voltage</b>	DC 12-24 Volts
<b>Optical Sensor Technology</b>	CMOS
<b>Lens Type</b>	Fisheye lens, Wide Angle
<b>Real Angle of View</b>	210 Degrees (Note: Product title states 170 degrees)
<b>Connector Type</b>	RCA
<b>Optical Sensor Size</b>	1/3 inch
<b>Minimum Illumination (Lux rating)</b>	0.01 Lux
<b>Video Capture Resolution</b>	800 TVL (Television Lines)
<b>Manufacturer</b>	Aucar

## 9. WARRANTY AND SUPPORT

---

AUCARAUTO strives to provide high-quality products. If your camera is not working properly, please contact AUCARAUTO customer support for assistance or replacement. Specific warranty details may vary; please refer to

your purchase documentation or contact the seller for more information.