

B-Qtech 7 inch HD Vehicle Backup Camera Monitor

B-Qtech 7-inch HD Vehicle Backup Camera Monitor User Manual

Model: 7-inch HD Vehicle Backup Camera Monitor

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your B-Qtech 7-inch HD Vehicle Backup Camera Monitor. Please read this manual thoroughly before using the product to ensure proper function and safety.

Product Features:

- **7-inch TFT Screen:** High-resolution 800x480 display for clear visuals.
- **Dual Video Inputs (V1/V2):** Supports two video sources, typically for a rear-view camera and an additional camera (front or side view).
- **Wide Compatibility:** Operates with 12V/24V vehicle electrical systems, suitable for cars, SUVs, trucks, and vans.
- **Rotatable Screen:** Allows for adjustment of viewing angle.
- **Infrared Remote Control:** For convenient operation.



Figure 1.1: The B-Qtech 7-inch HD Vehicle Backup Camera Monitor. This image shows the monitor with its stand, displaying a clear image of a truck on a highway, highlighting its primary function as a vehicle display.

2. PACKAGE CONTENTS

Please verify that all items are present in the package before proceeding with installation.

- 7-inch TFT LCD Monitor
- Power Cable
- Mounting Bracket
- Adhesive Pad for Mounting
- Infrared Remote Control



Figure 2.1: Included components. This image displays the 7-inch monitor along with its remote control, mounting bracket, and adhesive pad, illustrating the complete package contents.

3. SETUP AND INSTALLATION

Follow these steps for proper installation of your monitor. Ensure the vehicle's power is off before beginning any wiring.

3.1 Mounting the Monitor

1. **Choose a Location:** Select a flat, stable surface on your dashboard or windshield that does not obstruct your view or interfere with vehicle controls.
2. **Attach Mounting Bracket:** Secure the mounting bracket to the chosen surface using the provided adhesive pad. Ensure the surface is clean and dry for optimal adhesion.
3. **Attach Monitor:** Slide the monitor onto the mounting bracket. Adjust the angle for optimal viewing. The monitor offers a 120-degree multi-angle view for flexibility.

120° Multi-Angle View

Can adjust the angle back and forth, adjust to the comfort you want, the max. angle of 120 °



Figure 3.1: Monitor angle adjustment. This diagram illustrates the monitor's ability to adjust its viewing angle up to 120 degrees for user comfort and visibility.

3.2 Wiring Connections

1. **Power Connection:** Connect the monitor's power cable to your vehicle's 12V/24V power source. Ensure proper polarity (red wire to positive, black wire to negative/ground).
2. **Video Input 1 (V1):** Connect your rear-view camera's RCA video output to the yellow RCA input labeled "V1" on the monitor. This input is typically prioritized for reverse camera display.
3. **Video Input 2 (V2):** Connect an optional front-view or side-view camera's RCA video output to the white RCA input labeled "V2" on the monitor.



Figure 3.2: Monitor connections and controls. This image highlights the video input ports (V1/V2) on the monitor and details the functions of the monitor's physical buttons and the included remote control.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- **Manual Power:** Press the **Power** button on the monitor or the remote control to turn the unit on or off.
- **Automatic Activation:** When connected to a reverse light circuit, the monitor will automatically power on and display the V1 (rear-view camera) input when the vehicle is shifted into reverse.

4.2 Switching Video Inputs

- Press the **V1/V2** button on the monitor or the **Video Select** button on the remote control to switch between Video Input 1 (V1) and Video Input 2 (V2).

4.3 Menu Navigation and Settings

- Press the **MENU** button on the monitor or remote control to access the on-screen display (OSD) menu.
- Use the **+** and **-** buttons to navigate through menu options and adjust settings such as brightness, contrast, color, and aspect ratio (16:9/4:3).
- The monitor also supports image rotation, which can be accessed via the menu or a dedicated button on the remote.

Your browser does not support the video tag.

Video 4.1: Demonstration of the 7-inch LCD Display Vehicle Backup Camera Monitor in operation. This video shows the monitor displaying a live feed from a backup camera with parking guidelines, demonstrating its functionality in a vehicle.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the monitor screen and casing. Avoid abrasive cleaners or solvents.
- **Heat Dissipation:** The monitor features multiple cooling holes on its rear to prevent overheating. Ensure these vents are not obstructed.
- **Storage:** If storing the monitor for an extended period, disconnect it from power and store it in a cool, dry place.

Multiple cooling holes on both sides, scientific and efficient heat dissipation, avoid overheating and stalling in summ



Figure 5.1: Rear view of the monitor. This image highlights the cooling holes on the back of the monitor, designed for efficient heat dissipation to ensure stable operation.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Monitor does not power on.	No power supply; incorrect wiring; blown fuse.	Check power cable connection; verify wiring polarity; inspect vehicle fuse.
No video signal.	Camera not connected; incorrect video input selected; faulty camera/cable.	Ensure camera is properly connected to V1/V2; switch video input using V1/V2 button; test with a different camera/cable if possible.

Problem	Possible Cause	Solution
Image is distorted or unclear.	Poor connection; camera lens dirty; monitor settings incorrect.	Check all video connections; clean camera lens; adjust brightness, contrast, and color settings in the OSD menu.
Remote control not working.	Battery depleted; obstruction between remote and monitor IR receiver.	Replace remote control battery; ensure clear line of sight to the monitor's IR receiver.

7. SPECIFICATIONS

Feature	Detail
Screen Size	7 Inches
Display Technology	TFT LCD
Resolution	800 x 480
Video Inputs	2 (V1, V2 RCA connectors)
Power Input	12V/24V DC
Product Dimensions	17.3"L x 2"W x 11.3"H (approx. 43.9 x 5.1 x 28.7 cm)
Item Weight	1.1 pounds (approx. 0.5 kg)
Installation Type	Dashboard Mount, Surface Mount

8. WARRANTY AND SUPPORT

B-Qtech products are tested before leaving the factory to ensure quality.

For any questions or technical assistance regarding your B-Qtech 7-inch HD Vehicle Backup Camera Monitor, please contact B-Qtech customer service. Refer to your purchase documentation or the B-Qtech website for specific warranty terms and contact information.

