weivision BDV01-HD

Weivision Super HD 1080P 360 Degree Bird View Surround System DVR Instruction Manual

Model: BDV01-HD

1. Introduction

The Weivision Super HD 1080P 360 Degree Bird View Surround System DVR is designed to enhance vehicle safety by providing a comprehensive, real-time panoramic view of your vehicle's surroundings. This system helps eliminate blind spots, assists with parking, and records video footage from four cameras, offering an integrated solution for driving assistance and security. It is suitable for various vehicles up to 22 feet in length.

Key features include a perfect bird's eye view, 4-channel 1080P recording, HD chip lenses with night vision, and waterproof cameras. The system integrates both driving assistance and a tachograph function, significantly improving safety during traffic and parking maneuvers.

2. Package Contents

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

- DVR Recorder Control Box
- 4 x 1080P 190° Wide Angle Fish-Eye Cameras (Front, Rear, Left, Right)
- Power Cable
- Rear Camera Cable (19ft)
- Left Camera Cable (11ft)
- Right Camera Cable (11ft)
- IR Receiver
- Remote Control
- User Manual
- 16GB USB Disk (for recording)
- Shocking Sensor
- Calibration Cloth (4 pieces, 1.6M*1.2M)



Image: All components included in the Weivision 360 Degree Bird View Surround System package.

3. Setup and Installation

3.1. General Installation Guidelines

- This product does not include a display. It features an AV OUT connector, allowing connection to any DVD, navigation unit, or monitor with an AV IN connector.
- Ensure all connections are secure and properly routed to prevent interference or damage.
- The IR sensor for the remote control must be visible to operate the unit.

3.2. Camera Installation

Install the four cameras in their designated positions: front, rear, left, and right. Ensure the cameras are mounted securely and have a clear, unobstructed view.

- **Side Cameras:** For side mirrors, use the provided hole saw. Drill holes on the flattest possible surface on the bottom of each mirror. Install cameras with markings facing 90 degrees away from the car, as straight as possible to the outside.
- **Front and Rear Cameras:** Position these cameras to cover the front and rear views of the vehicle.
- Camera plugs are color-coded for correct connection.



Image: Recommended installation points for the front, rear, left, and right cameras.

3.3. Wiring Connections

Connect the power and ground wires, and the camera cables to the main control box. Connect the trigger wire to your radio or display unit according to your vehicle's setup. Ensure all camera cables are routed properly and securely.

3.4. System Calibration

Calibration is essential for accurate bird's eye view stitching. Use the provided calibration cloths.

1. Place the calibration mats around the vehicle as shown in the manual's diagrams.
2. Access the system's menu and navigate to 'Bird Eye View Calibration'.
3. Enter the passcode (e.g., 111) and select 'Manual Calibration'.
4. For EACH camera view, move the cursor to the very corner of each mat's corresponding black rectangle in the following order: top left, top right, bottom left, bottom right. Repeat for all four cameras. Incorrect calibration can

result in flipped or distorted images.

5. After completing all camera calibrations, you MUST hit 'SAVE' to apply the settings. Otherwise, you will need to restart the calibration process.
6. Once calibrated, you can adjust other settings such as the car image or camera centers if needed.

4. Operating Instructions

4.1. Driving View

When driving, the system provides a bird's eye view of your vehicle's surroundings, helping you monitor traffic and avoid obstacles. The display typically shows a split screen with the bird's eye view and a specific camera view (e.g., front camera).



Image: Driving mode display showing bird's eye view and front camera feed.

4.2. Reverse View

When the vehicle is put into reverse, the system automatically switches to display the rear camera view along with the bird's eye view, providing guidance lines for safe parking.



Image: Reverse mode display showing bird's eye view and rear camera feed with parking lines.

4.3. Parking Monitoring

The integrated shocking sensor triggers the system to automatically record video if the car experiences a scratch or impact while parked. The system will record for 2-3 seconds and lock the footage, providing evidence of incidents.



Image: Illustration of the parking monitoring system detecting an impact and initiating recording.



Image: Comparison highlighting the Weivision system's quick 3-second trigger for parking monitoring recording.

4.4. Video Recording (DVR Function)

The system includes a DVR function that records footage from all four cameras simultaneously. It supports loop recording and outputs video in HD 1080P resolution. The included 16GB USB disk is used for storing these recordings.

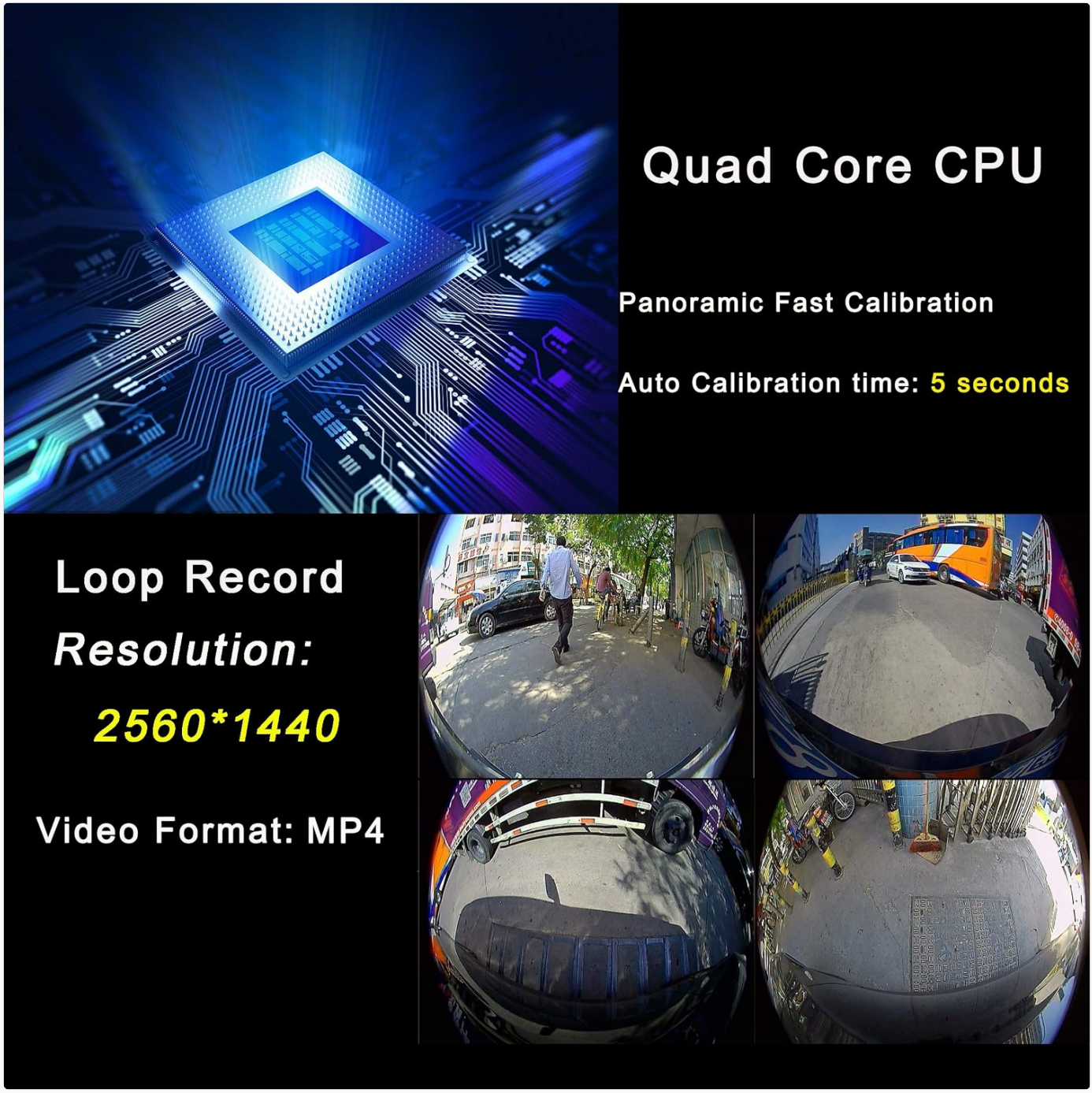


Image: Technical specifications for the DVR, including CPU, calibration speed, and recording resolution.

5. Maintenance

- **Cleaning:** Regularly clean the camera lenses with a soft, damp cloth to ensure clear image quality. Avoid abrasive cleaners.
- **Cable Inspection:** Periodically check all cables for wear, damage, or loose connections.
- **Software Updates:** Keep the system's firmware updated for optimal performance and new features. Refer to the manufacturer's website or contact support for update procedures.

6. Troubleshooting

- **System Not Working After Battery Change:** If the system stops functioning after your vehicle's battery is replaced, it may require recalibration or a system reset. Ensure all power connections are secure.
- **Flipped or Distorted Images:** This typically indicates an issue with calibration. Re-perform the system calibration process carefully, ensuring all corners are correctly marked.

- **Language Changed to Chinese:** If the system language inadvertently changes, navigate through the menu using the remote control to find the language settings. Refer to the visual guides in the full user manual or contact support for assistance in restoring the English language.
- **No Video Output:** Check the AV IN/OUT connections between the control box and your display unit. Ensure the display unit is set to the correct input source.
- **Recording Issues:** Verify that the USB disk is properly inserted and has sufficient free space. Check recording settings in the system menu.

7. Specifications

Feature	Specification
Model Name	BDV01-HD
Video Capture Resolution	1080p
Field Of View	190 Degrees (per camera)
Special Feature	360 Degree Bird View
Connectivity Technology	RCA
Included Components	DVR Recorder, 4CH 1080P 190° wide angle fish eye camera, Memory Card
Mounting Type	Dashboard Mount or Windshield Mount
Power Source	Vehicle Electrical System (1 CR2032 battery required for remote)
Product Dimensions	16 x 8 x 10 inches
Item Weight	4.36 pounds

8. Warranty and Support

Weivision products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official Weivision website. In case of technical issues, questions, or support needs, please contact Weivision customer service. Responsive support is available to assist with firmware updates, troubleshooting, and general inquiries.

For customer service, please refer to the contact information provided in your product packaging or on the Weivision official website.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question