

Haloview CA109

Haloview CA109 Wireless 720P HD License Plate Rear View Camera Instruction Manual

Model: CA109

1. INTRODUCTION

The Haloview CA109 is a wireless 720P high-definition license plate rear view camera designed to assist with vehicle backing maneuvers. This camera provides a clear view of the area behind your vehicle and is compatible with Haloview MC7108 and MC5111 systems. Its compact design and adjustable angle offer versatile installation and optimal viewing.

2. PRODUCT COMPONENTS

The CA109 package includes the following items:

- CA109 License Plate Camera
- License Plate Mount Bracket
- Camera Conversion Cable
- Camera Antenna

3. SETUP AND INSTALLATION

The CA109 camera offers straightforward installation with no cutting or drilling required for standard license plate mounting. Ensure your vehicle is turned off before beginning installation.

3.1. Mounting the Camera

The camera is designed to mount directly onto a standard US license plate using the provided bracket. Position the camera to ensure it does not obstruct the license plate numbers or tags.



Image: The CA109 camera shown mounted on a standard US license plate.

For vehicles equipped with Furrion pre-wired brackets, the B-F02 Backup Camera Bracket Adapter (sold separately) can be used for an integrated mounting solution.

3.2. Power Connection

Connect the camera to a 12-volt power source. This typically involves wiring it to your vehicle's reverse lights for activation when backing up, or to a constant power source if continuous monitoring is desired. Use the camera conversion cable for proper connection.

Note: For some newer vehicle models, particularly certain GM vehicles, a voltage control module may be required to ensure stable power supply to the camera. Consult your vehicle's manual or a professional if experiencing power-related issues.

3.3. Antenna Installation

Attach the camera antenna securely to the designated port on the camera. Ensure the antenna is positioned for optimal signal transmission. The wireless signal range is up to 984 feet (line of sight).

3.4. Camera Dimensions

Refer to the diagram below for the physical dimensions of the CA109 camera and its mounting bracket.

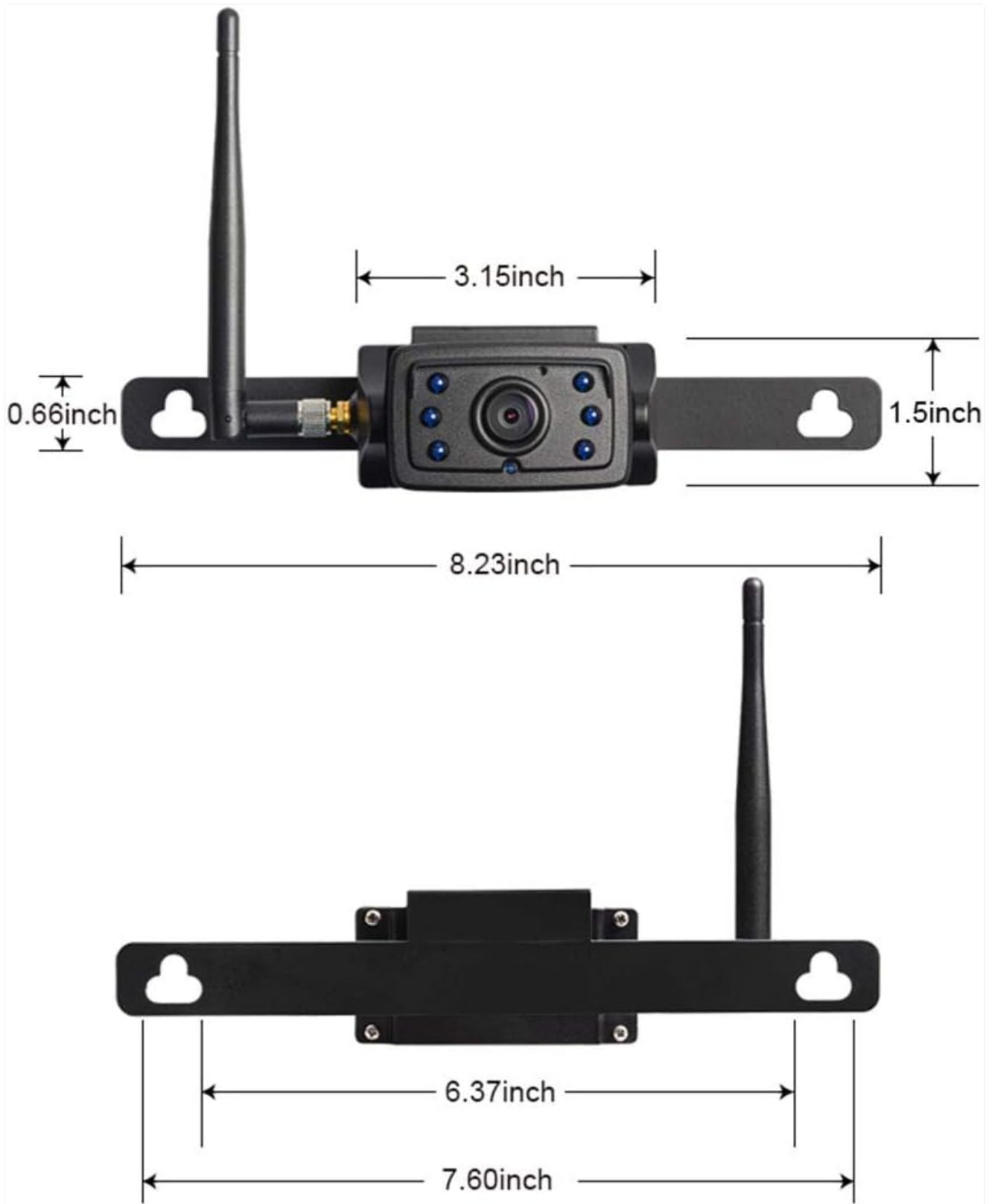


Image: Detailed dimensions of the CA109 camera and its mounting components.



Image: The CA109 camera installed on a vehicle's tailgate, showing the camera and a monitor displaying its view.

4. OPERATING INSTRUCTIONS

Once installed and powered, the CA109 camera transmits video wirelessly to a compatible Haloview monitor (MC7108 or MC5111 system).

4.1. Camera Angle Adjustment

The camera lens can be adjusted by up to 70 degrees vertically to achieve the optimal viewing angle for your specific vehicle and application. Loosen the adjustment screws, set the desired angle, and then tighten the screws to secure the position.



Image: The CA109 camera illustrating its 70-degree adjustable viewing angle.

4.2. Viewing Area

The camera features a 120-degree wide-angle lens, capturing a broad view of the area behind your vehicle. This wide field of view is particularly useful for backing up and hitching trailers.

4.3. Night Vision

Equipped with 6 infrared (IR) LED lights, the CA109 provides night vision capabilities, allowing for clear visibility in low-light conditions.

5. MAINTENANCE

The Haloview CA109 camera is designed for durability and minimal maintenance.

5.1. Cleaning

Periodically clean the camera lens and housing with a soft, damp cloth to remove dirt, dust, or debris that may obstruct the view. Avoid using harsh chemicals or abrasive materials.

5.2. Water Resistance

The camera boasts an IP69K rating, indicating high resistance to dust and high-pressure, high-temperature water jets. This ensures reliable operation in various weather conditions.



Image: The CA109 camera demonstrating its IP69K water resistance rating.

6. TROUBLESHOOTING

If you encounter issues with your CA109 camera, refer to the following common troubleshooting steps:

- **No Image on Monitor:**

- Ensure the camera is receiving power. Check all cable connections.
- Verify the camera is properly paired with your Haloview monitor. Refer to your monitor's manual for pairing instructions.
- Check the antenna connection on the camera and ensure it is not obstructed.

- **Poor Image Quality:**

- Clean the camera lens.
- Ensure there are no obstructions between the camera and the monitor that could interfere with the wireless signal.
- Check for strong electromagnetic interference sources nearby.

- **Intermittent Signal:**

- Reposition the camera antenna for better line of sight.
- Ensure the camera is within the effective wireless range (up to 984ft line of sight).
- Check power connections for stability.

- **Camera Not Powering On:**

- Confirm the 12V power source is active.
- Inspect the power cable for any damage.
- If installing on a newer vehicle, consider if a voltage control module is necessary.

7. SPECIFICATIONS

Key technical specifications for the Haloview CA109 camera:

Feature	Specification
Brand	Haloview
Model Number	CA109
Video Capture Resolution	720p
Effective Still Resolution	720 Pixels
Field Of View	120 Degrees
Real Angle of View	170 Degrees
Lens Type	Wide Angle
Optical Sensor Technology	CMOS Infrared
Optical Sensor Size	1/4 inch
Voltage	12 Volts
Connector Type	Wireless
Installation Type	Surface Mount
Compatible Devices	Monitor (MC7108, MC5111 systems)
Lux rating	0.2 Lux
Item Weight	421 Grams

8. WARRANTY AND SUPPORT

For warranty information, please refer to the documentation included with your purchase or visit the official Haloview website. Warranty terms and conditions may vary.

For technical support, product inquiries, or further assistance, please contact Haloview customer service through their official website:

[Visit the Haloview Store on Amazon](#)