Brinno MAC200DN

Brinno MAC200DN Portable Motion Activated Wireless Outdoor Security Camera User Manual

1. INTRODUCTION

This manual provides essential instructions for the setup, operation, maintenance, and troubleshooting of your Brinno MAC200DN Portable Motion Activated Wireless Outdoor Security Camera. Please read this manual thoroughly before using the device to ensure proper functionality and to maximize its performance.

2. PRODUCT OVERVIEW

2.1 Package Contents

- Brinno MAC200DN Motion Activated Camera
- Wall Mount Bracket
- Elastic Strap
- Tree Strap
- User's Manual (this document)

2.2 Camera Components

The Brinno MAC200DN is a compact, black security camera designed for outdoor use. It features a lens, a PIR motion sensor, and a 1.44-inch LCD screen for configuration and review.

Figure 1: Brinno MAC200DN camera mounted on a tree. The camera is black, with the lens and motion sensor visible on the front, along with the 'brinno' logo.

3. SETUP

3.1 Battery Installation

1. Locate the battery compartment on the camera.
2. Insert two (2) D-cell batteries (not included), ensuring correct polarity.
3. Close the battery compartment securely to maintain weather resistance.

3.2 SD Card Insertion

1. Locate the SD card slot.
2. Insert an SD card (up to 32GB, sold separately) into the slot until it clicks into place.
3. It is recommended to format the SD card using the camera's menu system upon first use.

3.3 Mounting the Camera

The MAC200DN offers flexible mounting options:

- **Wall Mount Bracket:** Use the provided bracket to secure the camera to a flat surface.
- **Elastic Strap** / **Tree Strap:** Utilize the straps to attach the camera to trees, poles, or other suitable outdoor structures. Ensure the camera is stable and pointed towards the desired monitoring area.

3.4 Initial Power-On and Basic Settings

After installing batteries and an SD card, power on the camera. Use the 1.44-inch rear LCD screen and navigation buttons to set the current date, time, and other initial preferences. Refer to the on-screen menu for detailed options.

4. OPERATING MODES

The Brinno MAC200DN features three primary capture modes and intelligent night vision capabilities.

4.1 Time Lapse Mode

In Time Lapse Mode, the camera captures images at a fixed rate of 1 frame per second. This mode is suitable for monitoring activities over extended periods, such as construction projects or environmental changes, at distances up to 320 feet.

4.2 Motion Mode

When set to Motion Mode, the camera's Passive Infrared (PIR) motion sensor detects movement within a 20-foot zone. Upon detection, the camera activates and captures 2-3 images per second for a duration of 5 seconds. This mode is ideal for security monitoring where specific events need to be captured.

4.3 Hybrid Mode

Hybrid Mode combines the functionalities of Time Lapse and Motion Mode. The camera operates in 1 frame per second time lapse mode continuously. If a moving object enters the 20-foot motion detection zone, the camera automatically switches to motion mode, capturing 2-3 images per second for 5 seconds. This provides a comprehensive record of both continuous activity and specific triggered events.

4.4 Smart Night Vision

The Smart Night Vision feature allows the camera to adapt to changing light conditions. By setting your geographical latitude using the 1.44-inch LCD screen, the camera will automatically activate infrared night vision at sunset and deactivate it at sunrise. This ensures that images are captured effectively in both low-light and daylight environments.

4.5 Video Playback

The MAC200DN automatically converts captured photos into a fast-playback 720p (1280x720) time lapse video. This allows for quick review of a full day's activities in a condensed format.

5. MAINTENANCE

5.1 Battery Replacement

The camera is designed for extended battery life, with one set of 2 D-cell batteries lasting approximately 14 months. Replace batteries when the low battery indicator appears on the LCD screen or when performance degrades.

5.2 SD Card Management

Regularly check the remaining storage space on your SD card. Transfer important footage to a computer and format the SD card periodically to maintain optimal performance and prevent data corruption. Always power off the camera before removing the SD card.

5.3 Cleaning

Gently clean the camera lens and PIR motion sensor with a soft, lint-free cloth. Avoid using abrasive cleaners or solvents. Ensure the camera housing is free from dirt and debris, especially around seals, to maintain weather resistance.

5.4 Environmental Considerations

While designed for outdoor use, avoid placing the camera in direct sunlight for prolonged periods in extreme heat, or in locations prone to severe weather conditions that may exceed its operational limits.

6. TROUBLESHOOTING

If you encounter issues with your Brinno MAC200DN camera, refer to the following common troubleshooting steps:

- **Camera Not Powering On:** Ensure batteries are correctly inserted and fully charged. Check the battery compartment for corrosion.
- **No Recording:** Verify that an SD card is inserted and has sufficient free space. Ensure the camera is in an active recording mode (Time Lapse, Motion, or Hybrid). Format the SD card if necessary.
- **Poor Image Quality:** Clean the camera lens. Check for obstructions in front of the lens or sensor. Ensure the camera is positioned within optimal range for the selected mode.
- **Short Battery Life:** Ensure you are using fresh, high-quality D-cell batteries. Extreme temperatures can affect battery performance.
- **Motion Sensor Not Triggering:** Ensure the PIR sensor is clear of obstructions. Adjust the camera's position to optimize the 20-foot detection zone.

For more advanced issues or specific error messages, please consult the full user manual provided with your product or visit the Brinno support website.

7. SPECIFICATIONS

Feature	Specification
Product Dimensions	4.17 x 4.33 x 3.07 inches
Item Weight	9.7 ounces
Item Model Number	MAC200DN
Batteries Required	2 D batteries
Photo Sensor Technology	CMOS
Video Capture Resolution	720p
Maximum Focal Length	28 Millimeters
Maximum Aperture	2 Millimeters

Flash Memory Type	SD (up to 32GB)
Video Capture Format	MP4
Supported Audio Format	AAC, MP3
Screen Size	1.44 Inches
Connectivity Technology	Wireless

8. WARRANTY INFORMATION

Warranty details for the Brinno MAC200DN camera are typically provided with the product packaging or can be found on the official Brinno website. Please retain your proof of purchase for warranty claims.

9. SUPPORT

For further assistance, technical support, or to access updated resources, please visit the official Brinno website or contact their customer service department. Contact information is usually available in the product's original documentation.