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EBTOOLS EBTOOLSzreu941vs8

EBTOOLS Mini Camera (Model: EBTOOLSzreu941vs8) Instruction Manual

Your comprehensive guide to operating and maintaining your EBTOOLS Mini Camera.

1. INTRODUCTION

Thank you for choosing the EBTOOLS Mini Camera. This compact and versatile device is designed for discreet video recording with high-definition clarity. Featuring a 120-degree wide-angle lens, automatic night vision, and PIR (Passive Infrared) motion detection, it offers reliable surveillance capabilities. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance.



Figure 1.1: The EBTOOLS Mini Camera, showcasing its compact design and the back clip attachment for discreet placement on clothing.

2. PRODUCT OVERVIEW

2.1 Key Features

- **1080P HD Video Recording:** Captures clear video at 1920x1080 resolution and 30 frames per second.
- **120-Degree Wide Angle Lens:** Provides a broad field of view for comprehensive coverage.
- **Automatic Night Vision:** Equipped with 10 infrared lamps for clear recording in low-light conditions, automatically activating when needed.
- **PIR Video Recording:** Passive Infrared sensor detects motion, initiating recording to conserve battery and storage.
- **High Capacity Lithium Battery:** Built-in 1200mAh battery offers approximately 8-10 hours of continuous recording.
- **Back Clip Design:** Allows for easy and secure attachment to clothing or backpacks.
- **Micro SD Card Support:** Supports up to 128GB Micro Memory Card storage (not included).

MORE FEATURES



PIR



120 degree wide angle lens



1080P HD



Automatic night vision



Card insertion video recording



1200mAh lithium battery



View Video



Loop recording

Figure 2.1: Visual representation of the camera's main features, including PIR motion detection, wide-angle lens, HD resolution, night vision, memory card support, battery capacity, video playback, and loop recording.

2.2 Package Contents

Verify that all items are present in your package:

- 1 x EBTOOLS Mini Camera Host
- 1 x Back Clamp
- 1 x Support Rack
- 1 x Charging Cable (USB)
- 1 x User Manual

3. SETUP

3.1 Charging the Battery

1. Connect the provided USB charging cable to the camera's USB port.
2. Plug the other end of the USB cable into a DC 5V 1A or DC 5V 2A power adapter (not included) or a computer's USB port.
3. The charging indicator light will illuminate. Charging typically takes about 3-5 hours for a full charge.
4. Once fully charged, the indicator light may change color or turn off, depending on the camera's design.

High Capacity Lithium Battery

Built in 1200mAh lithium battery, lasting for 8-10 hours



Figure 3.1: Illustration of the camera's high-capacity 1200mAh lithium battery, providing 8-10 hours of operation on a full charge.

3.2 Inserting a Micro SD Card

The camera requires a Micro SD card (up to 128GB, not included) for storing recordings.

1. Locate the Micro SD card slot on the side of the camera.
2. Gently insert the Micro SD card into the slot with the gold contacts facing down until it clicks into place.
3. To remove, gently push the card inward until it springs out.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- **Power On:** Press and hold the Power button for a few seconds until the indicator light illuminates.
- **Power Off:** Press and hold the Power button for a few seconds until the indicator light turns off.

Easy operation



Figure 4.1: Detailed view of the camera's controls, including the USB port and switches for power (shutdown), video recording, and PIR (human body induction) functions.

4.2 Video Recording Modes

The camera supports continuous video recording and PIR motion-activated recording.

- **Continuous Recording:** After powering on, switch the "Videotape" toggle to the ON position. The camera will begin recording continuously.
- **PIR Motion-Activated Recording:** After powering on, switch the "Human body induction" toggle to the ON position. The camera will enter standby mode and only record when motion is detected by the PIR sensor. This mode helps conserve battery and storage space.

PIR Video Recording

Support PIR video recording, 30 day long standby



Figure 4.2: Example of PIR video recording, showing how the camera detects and records when motion is present in its field of view.

4.3 Automatic Night Vision

The camera is equipped with automatic night vision. In low-light environments, the camera will automatically switch to night mode, utilizing its infrared lamps to capture clear video.

Automatic Night Vision

Automatically turn on night vision at night and turn off at daytime

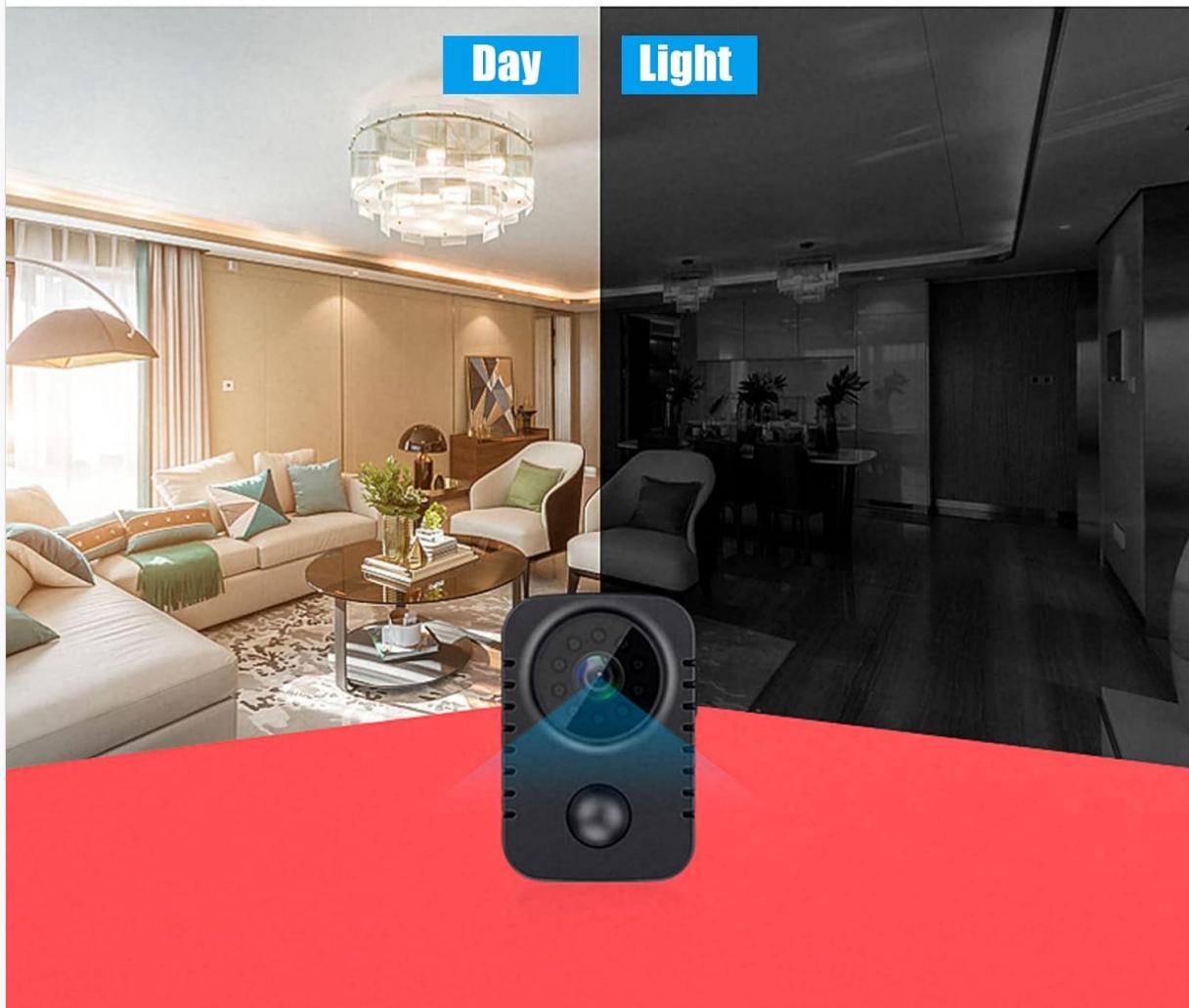


Figure 4.3: Demonstration of the automatic night vision feature, illustrating the camera's ability to capture images in both day and low-light conditions.

4.4 Viewing Recordings

To view recorded videos, remove the Micro SD card from the camera and insert it into a computer's card reader. The video files (AVI format) can then be played using standard media player software.

4.5 Using the Back Clip and Support Rack

The included back clip allows for versatile placement. Attach the clip to the camera and then secure it to clothing, a backpack, or other suitable surfaces. The support rack provides additional mounting options and angle adjustment.

Back Clip Design

The mini camera is designed with a hanging back clip, which can be clipped in the pocket and backpack for easy carrying



Figure 4.4: Illustration of the back clip design, demonstrating how it attaches to the camera and can be used for discreet placement on clothing.

Universal Bracket

Universal bracket with 4mm diameter screw head, can freely adjust the camera angle



Figure 4.5: The universal bracket, detailing its 4mm screw head and adjustable angles for flexible camera positioning.

5. MAINTENANCE

- Cleaning:** Use a soft, dry cloth to clean the camera body. For the lens, use a specialized lens cleaning cloth and solution. Avoid abrasive materials or harsh chemicals.
- Storage:** Store the camera in a cool, dry place away from direct sunlight and extreme temperatures.
- Battery Care:** To prolong battery life, avoid fully discharging the battery frequently. Charge the camera regularly, even if not in use for extended periods.
- Firmware Updates:** Check the manufacturer's website periodically for any available firmware updates to ensure optimal performance and new features.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera does not power on.	Low battery; faulty charging cable/adapter.	Charge the camera fully. Try a different charging cable or adapter.
Cannot record video.	No Micro SD card; Micro SD card full or corrupted; incorrect recording mode.	Insert a Micro SD card. Format or replace the Micro SD card. Ensure the correct recording toggle is selected.
Poor video quality.	Dirty lens; insufficient lighting; camera movement.	Clean the lens. Ensure adequate lighting or use night vision. Stabilize the camera during recording.

Problem	Possible Cause	Solution
PIR motion detection not working.	PIR mode not activated; sensor obstructed.	Ensure "Human body induction" toggle is ON. Clear any obstructions from the PIR sensor.

7. SPECIFICATIONS

Feature	Detail
Product Material	ABS (Acrylonitrile Butadiene Styrene)
Visual Angle	120 Degree
Video Resolution	1920x1080 (1080P HD)
Video File Format	AVI
Video Frames	30fps
Recording Time (Battery)	Approx. 8-10 Hours
Night Vision Infrared Lamps	10 Pieces
Charging Information	DC 5V 1A, DC 5V 2A
Memory Card Support	Up to 128GB Micro Memory Card (Not Included)
Battery Charging Time	Approx. 3-5 Hours (with DC 5V 1A)
Battery Type	Lithium Ion Battery 1200mAh (Built-in)
Item Weight	Approx. 149g / 5.3oz
Model Number	EBTOOLSzreu941vs8

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your purchase or visit the official EBTOOLS website. Keep your purchase receipt as proof of purchase for any warranty claims.

Manufacturer: EBTOOLS

Date First Available: September 22, 2023

For further assistance, you may contact EBTOOLS customer service through their official channels.