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SpiCamMall V7816

SpiCamMall V7816 1080P WiFi Mini Camera Instruction Manual

Model: V7816 | Brand: SpiCamMall

1. Introduction

Thank you for choosing the SpiCamMall V7816 1080P WiFi Mini Camera. This compact and versatile camera is designed for discreet surveillance, offering high-definition video recording, motion detection, and night vision capabilities. Its portable design and dual-lens options make it suitable for various indoor and outdoor monitoring needs. This manual provides detailed instructions for setup, operation, and maintenance to ensure optimal performance.



Image 1.1: SpiCamMall V7816 Mini Camera with remote viewing on a smartphone.

2. Product Overview

2.1 Key Features

- HD 1920*1080P Video Resolution
- Dual Lens System: Default 140° wide-angle lens and an optional 90° extension lens.
- Wi-Fi Connectivity (2.4GHz only) for remote viewing.
- Motion Detection with alarm notifications.
- Night Vision with 850nm invisible IR lights.
- Real-time video recording and snapshot functionality.
- Loop video recording with adjustable file length (1 to 30 minutes).
- Supports up to 128GB Micro TF Card (not included).
- Magnetic clip for flexible placement.

2.2 Components

The V7816 camera includes the main camera unit, a default built-in lens, and an interchangeable DIY extension

lens. It also features a magnetic clip for mounting.



Image 2.1: Illustration of the default built-in lens and the DIY extension lens options.

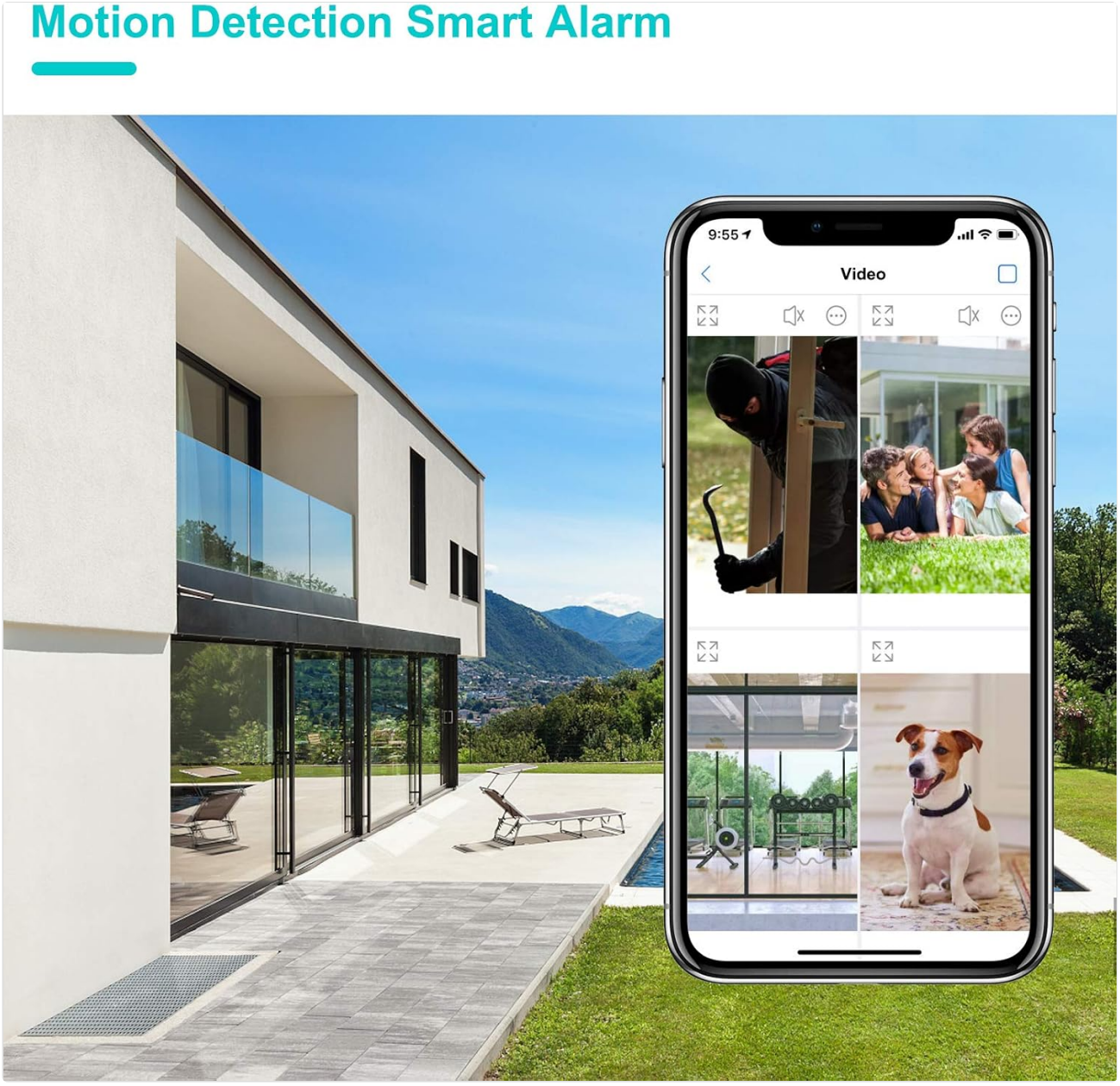


Image 2.2: The camera's night vision capability with 8 invisible IR lights.

3. Setup

3.1 Charging the Camera

Before initial use, fully charge the camera. Connect the camera to a power source using the provided USB cable. It is crucial to use a charger with an output of 1 Ampere (1A) or less. Using a higher amperage charger may damage the device.

3.2 Micro SD Card Installation

The camera supports a Micro TF Card up to 128GB for video storage (not included). To install:

1. Carefully remove the back cover of the camera.
2. Locate the Micro SD card slot.
3. Insert the Micro SD card into the slot until it clicks into place.
4. Replace the back cover.



Image 3.1: View of the camera's internal components, including the Micro SD card slot.

3.3 Lens Replacement (Optional)

The camera comes with a default built-in lens. An extension lens is also provided for different viewing angles. To replace the lens:

1. Pull out the lid covering the lens area.
2. Open the connector and gently remove the built-in lens.
3. Insert the interchangeable extension lens from the small hole and connect it to the main board.
4. Cover the lid to finish the installation. Ensure the lens is not installed upside down.



Image 3.2: Step-by-step guide for replacing the camera lens.

3.4 App Download and Wi-Fi Connection

To utilize remote viewing features, download the free companion app from "Google Play" (for Android) or "App Store" (for iOS). Once installed:

1. Power on the camera.
2. Open the app on your smartphone or tablet.
3. Follow the in-app instructions to connect the camera to your 2.4GHz Wi-Fi network. Note: The camera only supports 2.4GHz Wi-Fi.
4. After successful connection, you can remotely view live video, record, and manage settings.

▶ **Watch video online**
Hidden Spy Camera

Video 3.1: Official product video demonstrating camera features and lens installation.

4. Operating Instructions

4.1 Real-time Video Viewing

Once connected to Wi-Fi, open the app to access the live video feed from your camera. This allows for remote monitoring from anywhere.

4.2 Video Recording and Snapshots

The camera supports continuous loop recording to the Micro SD card. You can set the length of each video file from 1 to 30 minutes within the app. Use the app to initiate manual recordings or capture still images (snapshots).

4.3 Motion Detection

Enable motion detection in the app settings. You can adjust the sensor sensitivity to suit your environment. When motion is detected, the camera will send an alarm notification to your phone, allowing you to view the live feed or review recorded events.

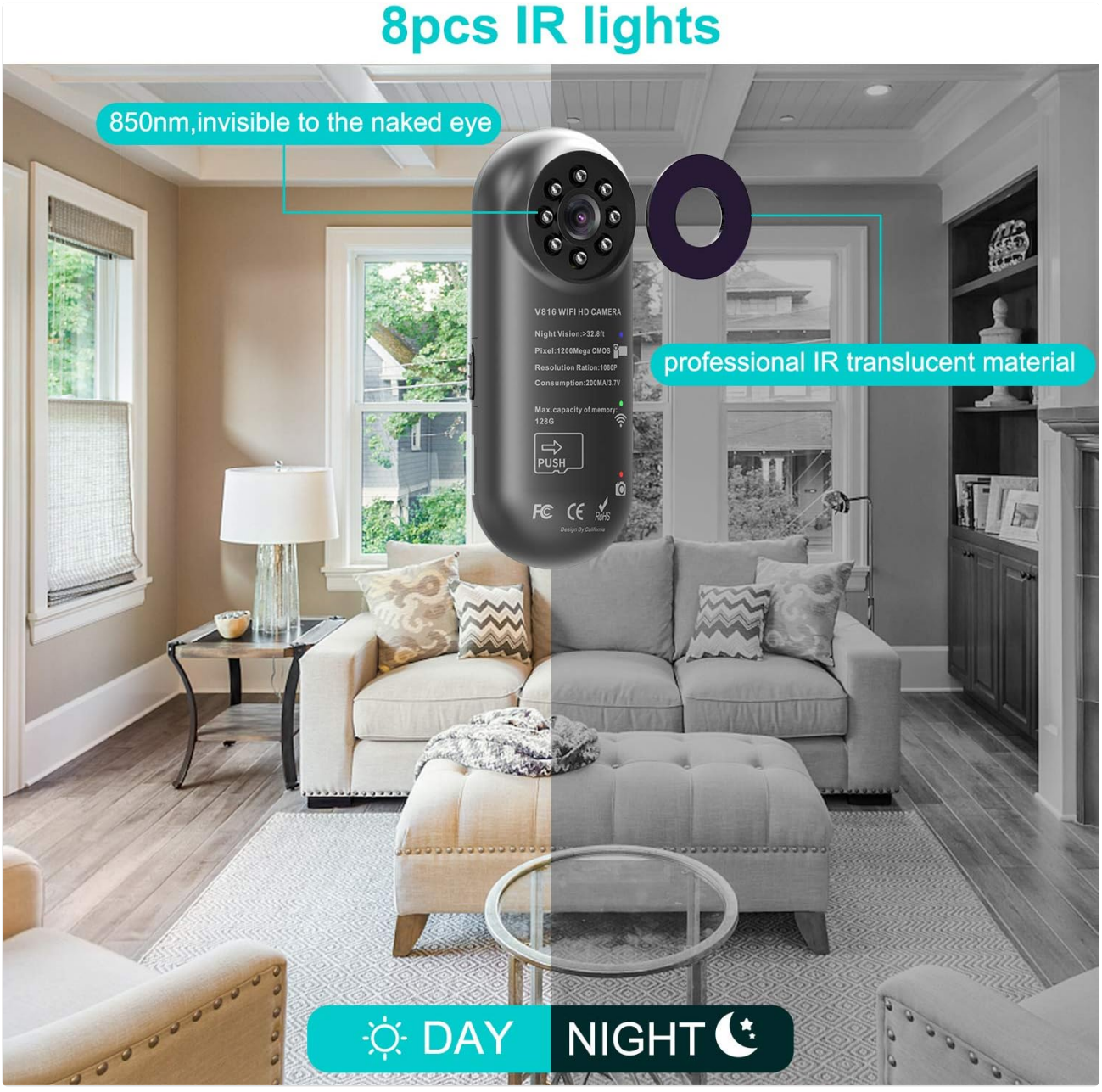


Image 4.1: The camera supports multi-user access and multi-camera viewing within the app.

4.4 Night Vision

The camera is equipped with night vision for clear recording in low-light conditions. This feature typically activates automatically when ambient light levels are insufficient.

5. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the camera lens and body. Avoid abrasive cleaners or solvents.
- **SD Card Management:** Regularly back up important recordings from your Micro SD card. Format the SD card periodically through the app to maintain optimal performance and prevent data corruption.
- **Firmware Updates:** Check the app regularly for any available firmware updates for your camera to ensure you have the latest features and security enhancements.
- **Storage:** Store the camera in a cool, dry place when not in use.

6. Troubleshooting

- **Camera not connecting to Wi-Fi:** Ensure your Wi-Fi network is 2.4GHz. The camera does not support 5GHz networks. Verify the Wi-Fi password is correct and the camera is within range of the router.
- **Choppy video or lag:** A weak Wi-Fi signal can cause video choppiness. Try moving the camera closer to your router or reducing interference. Ensure your internet connection is stable.
- **Image quality is poor/not 1080P:** Verify the camera settings in the app are set to 1080P resolution. Ensure the lens is clean and properly installed.
- **Lens not working after replacement:** Double-check that the ribbon cable of the lens is securely connected to the main board. Ensure the lens is installed correctly and not upside down.
- **Camera not charging:** Confirm you are using a 1A or lower amperage charger. Check the USB cable for damage and ensure it is properly connected.
- **No alarm notifications:** Ensure motion detection is enabled in the app and app notifications are allowed in your phone's settings.

7. Specifications

Feature	Detail
Model Number	V7816
Video Capture Resolution	1080p
Connectivity Technology	Wireless (Wi-Fi 2.4GHz)
Indoor/Outdoor Usage	Indoor, Outdoor
Special Features	Motion Sensor, Night Vision, Portable, Interchangeable Lenses
Frame Rate	15 fps, 30 fps
Item Dimensions (L x W x H)	3.27 x 1.38 x 0.87 inches
Item Weight	3.2 ounces
Max Micro SD Card Support	128GB (not included)
Power Source	Battery (rechargeable via USB)
Video Capture Format	AVI
International Protection Rating	IP67

8. Warranty and Support

The SpiCamMall V7816 Mini Camera comes with a**12-month warranty** from the date of purchase. Additionally, lifetime technical support is provided for this product.

For any questions, technical assistance, or warranty claims, please contact SpiCamMall customer support through the retailer's platform or the contact information provided with your purchase. Please have your model number (V7816) and purchase details ready when contacting support.

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