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## Vstarcam C7816WIP

# Vstarcam C7816WIP Waterproof IP Camera User Manual

Model: C7816WIP

## 1. INTRODUCTION

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This manual provides detailed instructions for the installation, operation, and maintenance of your Vstarcam C7816WIP Waterproof IP Camera. Please read this manual thoroughly before using the product to ensure correct usage and optimal performance. This camera is designed for outdoor surveillance, offering high-definition video, night vision, and motion detection capabilities.

## 2. PRODUCT OVERVIEW

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The Vstarcam C7816WIP is a robust outdoor IP camera featuring a durable, waterproof design (IP67 rated) and wireless connectivity. It is equipped with infrared LEDs for night vision and supports local storage via a TF card.



**Figure 2.1:** Front view of the Vstarcam C7816WIP IP Camera, showing the lens, IR LEDs, and external antenna for wireless connectivity.



**Figure 2.2:** Back view of the Vstarcam C7816WIP IP Camera, illustrating the power input and Ethernet port. The TF card slot is typically located on the underside or side, often protected by a cover.

### Key Features:

- **720P Full HD Resolution:** Provides clear video footage for effective surveillance.
- **IP67 Waterproof Rating:** Ensures reliable operation in various outdoor weather conditions.
- **Night Vision:** Equipped with IR LEDs for clear monitoring in low-light or dark environments up to 10-15 meters.
- **Motion Detection Alarm:** Triggers recording and sends notifications upon detecting movement.
- **TF Card Storage:** Supports up to 128GB TF card for local video storage.
- **Wireless Connectivity:** IEEE802.11b/g/n for flexible installation.

## 3. SETUP GUIDE

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### 3.1 Package Contents

Before proceeding, ensure all components are present:

- Vstarcam C7816WIP IP Camera
- Power Adapter (UK Plug)
- Mounting Screws and Plugs
- Ethernet Cable (for initial setup)
- User Manual (this document)

## 3.2 Initial Hardware Setup

1. **Install TF Card (Optional):** Locate the TF card slot (usually under a protective cover). Insert a compatible TF card (up to 128GB) with the gold contacts facing down. Ensure it clicks into place.
2. **Power Connection:** Connect the power adapter to the camera's power input port and then plug it into a power outlet. The camera will power on and initiate its self-test.
3. **Network Connection (Wired for initial setup):** For the first-time setup, it is recommended to connect the camera to your router using the provided Ethernet cable. This ensures a stable connection for configuration.

## 3.3 Software Setup and Pairing

1. **Download the App:** Search for the official Vstarcam app (e.g., "VsCam" or "Eye4") on your smartphone's app store (Android or iOS). Install the application.
2. **Register/Login:** Open the app and create a new account or log in if you already have one.
3. **Add Camera:** In the app, select the option to add a new device. You may need to scan the QR code located on the camera or manually enter the device ID.
4. **Configure Wi-Fi:** Once the camera is detected, follow the on-screen prompts to connect it to your Wi-Fi network. Ensure your phone is connected to the same 2.4GHz Wi-Fi network you intend to use for the camera. After successful Wi-Fi configuration, you can disconnect the Ethernet cable.
5. **Set Password:** For security, set a strong password for your camera when prompted.

## 3.4 Mounting the Camera

Choose a suitable outdoor location that provides the desired viewing angle and is within range of your Wi-Fi signal. Use the provided mounting screws and plugs to securely attach the camera to a wall or ceiling. Adjust the camera's angle as needed.

# 4. OPERATION

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## 4.1 Live Viewing

Open the Vstarcam app on your smartphone. Select your camera from the device list to access the live video feed. You can view real-time footage and control basic camera functions.

## 4.2 Motion Detection

The camera features adjustable motion detection. To configure:

1. Access the camera settings within the app.
2. Navigate to the "Alarm" or "Motion Detection" section.
3. Enable motion detection and adjust sensitivity levels as required.
4. Set up notification preferences (e.g., push notifications to your phone).

## 4.3 Night Vision

The camera automatically switches to night vision mode in low-light conditions using its built-in IR LEDs. This provides clear black and white video footage in the dark.

## 4.4 Recording and Playback

If a TF card is installed, the camera will automatically record footage. You can access recorded videos through the app:

1. In the app, select your camera and look for a "Playback" or "History" option.
2. Choose the date and time to review recorded events.
3. Recorded footage is typically stored in 15-minute blocks.

## 5. MAINTENANCE

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### 5.1 Cleaning

Regularly clean the camera lens and housing with a soft, damp cloth to remove dust and dirt. Do not use harsh chemicals or abrasive materials that could damage the lens or finish.

### 5.2 Firmware Updates

Periodically check the Vstarcam official website or the app for available firmware updates. Keeping your camera's firmware updated ensures optimal performance, security, and access to new features. Follow the instructions provided with the update carefully.

### 5.3 TF Card Management

If using a TF card for storage, it is recommended to format the card periodically through the camera's app settings to maintain optimal recording performance and prevent data corruption. The camera will typically overwrite older footage when the card is full.

## 6. TROUBLESHOOTING

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### 6.1 Camera Not Connecting to Wi-Fi

- Ensure the camera is within range of your Wi-Fi router.
- Verify that your Wi-Fi network is 2.4GHz, as the camera does not support 5GHz networks.
- Double-check the Wi-Fi password entered during setup.
- Try restarting both the camera and your router.
- Perform a factory reset on the camera (refer to the device for a reset button location, usually a small pinhole) and attempt setup again.

### 6.2 Jerky or Freezing Video Feed

- Check your internet connection speed. A slow upload speed can affect live streaming quality.
- Ensure there are no obstructions or excessive interference between the camera and your Wi-Fi router.
- Reduce the video quality settings in the app if available, to decrease bandwidth usage.

### 6.3 Cannot Access Recorded Files Remotely

- Ensure the TF card is properly inserted and recognized by the camera.
- Verify that the TF card has sufficient storage space.

- Check your network connection. Remote playback requires a stable internet connection.
- If remote access is consistently problematic, consider using the VStarCam IP camera finder software on a PC/Mac to access and download footage directly from the camera's local network.

## 6.4 App Login Issues / Multiple Device Access

- If using the Eye4 app and experiencing login warnings with multiple devices, consider using the VsCam app (with PnP and dragon logo) which may offer more direct access without requiring repeated logins for shared viewing.

## 7. SPECIFICATIONS

Feature	Specification
Model Number	C7816WIP
Image Sensor	1/2.9 inch 720p Progressive Scan CMOS
Video Capture Resolution	720p (1280x720) @ 15fps
Lens	4mm@F2.1
View Angle	91.7 degrees (Diagonal)
Night Vision Distance	10-15 meters (2pcs 850nm SMD IR LED)
Water Resistance Level	IP67 Waterproof
Wireless Connectivity	IEEE802.11b/g/n (2.4~2.4835GHz)
Ethernet	10Base-T / 100Base-TX, RJ45 connector
Protocols	TCP/IP, HTTP, TCP, UDP, DHCP, DNS, NTP, RTSP, P2P etc.
Memory Socket	TF Push-push socket, Max support 128GB
Power Input	DC12V±5%
Power Consumption	6W (IR on)
Operating Condition	Temperature: -10~50°C, Humidity: <90%
Dimensions (LxWxH)	17.6 x 11 x 16.6 Centimeters
Item Weight	499 g

## 8. WARRANTY AND SUPPORT

Specific warranty information for the Vstarcam C7816WIP IP Camera is not provided in this manual. Please refer to the product packaging, your point of purchase, or the official Vstarcam website for detailed warranty terms and conditions.

For technical support, software downloads, or further assistance, please visit the official Vstarcam support channels or contact their customer service department.

