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CP PLUS CP-V21

CP PLUS CP-V21 2MP Full HD Outdoor Wireless Security Camera User Manual

Model: CP-V21

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your CP PLUS CP-V21 2MP Full HD Outdoor Wireless Security Camera. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

The CP-V21 is an outdoor bullet-style security camera designed for reliable surveillance with 2MP Full HD resolution, Wi-Fi connectivity, and infrared night vision capabilities.

2. PRODUCT OVERVIEW AND COMPONENTS

The CP-V21 camera system includes the main camera unit and essential accessories for installation.



Figure 2.1: Product Packaging. This image displays the retail packaging for the CP PLUS CP-V21 camera, indicating the model number and "ezyKam" branding.



Figure 2.2: CP PLUS CP-V21 Camera Unit. A close-up view of the white bullet-style outdoor camera, showing the lens, IR illuminators, and mounting base.

2.1 Key Features

- **Resolution:** 2 Megapixel Full HD video output.
- **Infrared (IR) Night Vision:** Up to 15 meters IR distance for clear monitoring in low-light conditions.
- **Connectivity:** Supports Wi-Fi for wireless connection and Ethernet for wired connection.
- **Video Compression:** H.264 High Profile for efficient storage and streaming.
- **Lens:** Fixed 3.6mm lens.
- **Outdoor Rating:** IP66 weather-resistant for outdoor installation.
- **Two-Way Talk:** Enables communication through the camera.
- **Motion Detection:** Alerts upon detecting movement in the monitored area.
- **Compatibility:** Compatible with HDCVI DVRs.

2.2 Included Components

- CP PLUS CP-V21 Camera Unit
- Mounting Screws
- User Manual (this document)

3. INSTALLATION AND SETUP

3.1 Mounting the Camera

The CP-V21 camera is designed for wall-mounted, embedded installation. Choose a suitable outdoor location that provides the desired viewing angle and is within range of your Wi-Fi network or Ethernet connection point.

1. **Select Location:** Identify a stable surface for mounting, such as a wall or eave.
2. **Mark Drill Holes:** Use the camera's mounting base as a template to mark the positions for drilling.
3. **Drill Holes:** Drill pilot holes at the marked positions.

4. **Secure Base:** Attach the camera's mounting base to the surface using the provided screws.
5. **Adjust Angle:** Once secured, adjust the camera's angle to cover the desired surveillance area.

3.2 Powering On and Network Connection

The camera is powered by a battery (power source from specifications, typically DC adapter). Ensure the camera is connected to a power source before proceeding.

3.2.1 Wi-Fi Connection

1. **Download App:** Download the "ezyKam" application from your smartphone's app store (iOS or Android).
2. **Create Account:** Open the app and follow the on-screen instructions to create a new user account or log in.
3. **Add Device:** Select "Add Device" or a similar option within the app.
4. **Scan QR Code:** Scan the QR code located on the camera or its packaging.
5. **Connect to Wi-Fi:** Follow the app's prompts to connect the camera to your local Wi-Fi network. Ensure your Wi-Fi network is 2.4GHz, as 5GHz networks may not be supported.
6. **Configuration:** Complete the remaining setup steps as guided by the application.

3.2.2 Ethernet Connection (Optional)

For a stable wired connection, connect an Ethernet cable from your router or network switch to the camera's Ethernet port. The camera will automatically attempt to obtain an IP address via DHCP.

4. OPERATING THE CAMERA

Once the camera is set up and connected to the network, you can access and control it using the ezyKam mobile application.

4.1 Live View and Recording

Open the ezyKam app and select your CP-V21 camera from the device list to view the live feed. You can initiate manual recordings or capture screenshots directly from the app interface.

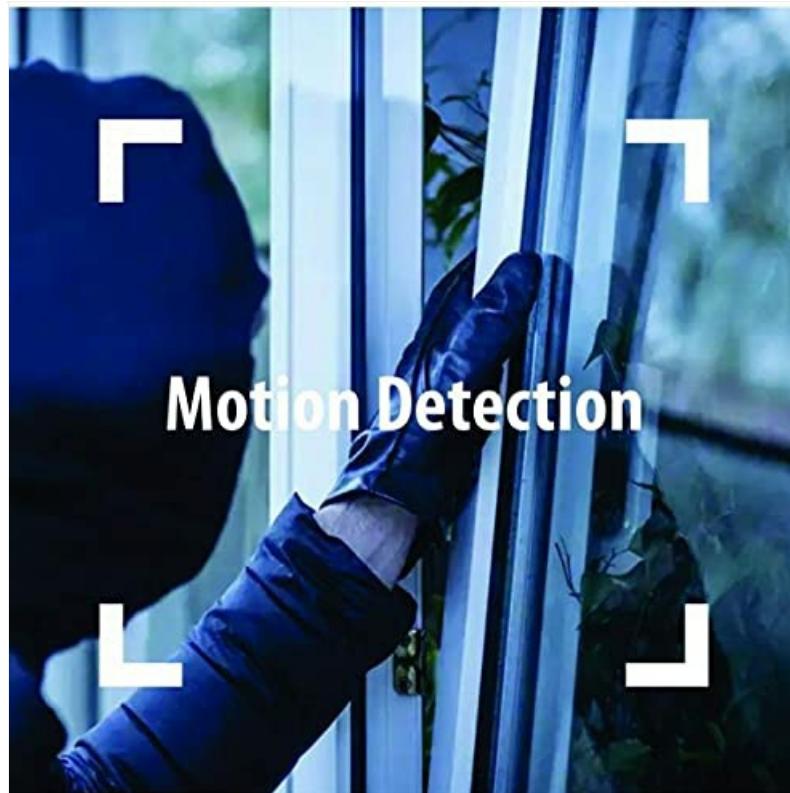


Figure 4.1: View and Talk Functionality. This image illustrates the "View n Talk" feature, showing a smartphone displaying the camera's live feed and enabling two-way audio communication.

4.2 Two-Way Talk

The camera supports two-way audio communication. Tap the microphone icon in the app to speak through the camera's speaker, and listen to audio from the camera's built-in microphone.

4.3 Motion Detection

The CP-V21 features motion detection capabilities. When motion is detected, the camera can trigger alerts to your smartphone and initiate recording. You can configure motion detection sensitivity and alert settings within the ezyKam app.



Figure 4.2: Motion Detection. This image highlights the motion detection feature, showing a person attempting to open a window, which would trigger an alert from the camera.

4.4 Night Vision

The camera automatically switches to infrared night vision mode in low-light conditions, providing clear black-and-white video up to 15 meters. Ensure no obstructions are blocking the IR illuminators for optimal night vision performance.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your CP-V21 camera.

- **Lens Cleaning:** Periodically clean the camera lens with a soft, dry cloth to remove dust or smudges that may affect image clarity. Avoid abrasive cleaners.
- **Housing Cleaning:** Wipe the camera's exterior housing with a damp cloth to remove dirt and debris.
- **Firmware Updates:** Check the ezyKam app regularly for available firmware updates. Keeping the firmware updated ensures the camera has the latest features and security patches.
- **Connection Check:** Periodically verify that the power and network connections are secure and free from damage.

6. TROUBLESHOOTING

If you encounter issues with your CP-V21 camera, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
Camera not connecting to Wi-Fi	Incorrect Wi-Fi password; camera too far from router; 5GHz Wi-Fi network selected; network interference.	<ul style="list-style-type: none">Verify Wi-Fi password.Move camera closer to the router or use a Wi-Fi extender.Ensure you are connecting to a 2.4GHz Wi-Fi network.Restart your router and the camera.
No video feed in app	Camera is offline; network issue; app malfunction.	<ul style="list-style-type: none">Check if the camera is powered on and connected to the network (indicated by LED status).Verify your smartphone's internet connection.Restart the ezyKam app.Re-add the camera to the app if necessary.
Poor night vision quality	Obstruction blocking IR illuminators; dirty lens; insufficient ambient light for IR to activate properly.	<ul style="list-style-type: none">Ensure no objects are directly in front of the camera's IR lights.Clean the camera lens and IR illuminators.Verify the camera is in a completely dark environment for optimal IR performance.
Motion detection not working	Sensitivity settings too low; detection zone not configured; app notifications disabled.	<ul style="list-style-type: none">Adjust motion detection sensitivity in the ezyKam app.Configure the detection zone to cover the desired area.Enable notifications for the ezyKam app on your smartphone.

7. SPECIFICATIONS

Feature	Detail
Model Name	CP-V21
Brand	CP PLUS
Resolution	2 MP Full HD
IR Distance	15 Meters
Lens	3.6mm
Video Compression	H.264 High Profile
Connectivity Technology	Wireless (Wi-Fi), Ethernet

Feature	Detail
Indoor/Outdoor Usage	Outdoor (IP66 Rated)
Power Source	Battery Powered (as per specifications, typically DC adapter)
Compatible Devices	Laptop, HDCVI DVRs
Controller Type	Android (via ezyKam app)
Product Dimensions (LxWxH)	7.7 x 7.7 x 10.4 Centimeters
Item Weight	500 g

8. WARRANTY INFORMATION

The CP PLUS CP-V21 camera comes with a **1 Year Warranty** from the date of purchase. This warranty covers manufacturing defects and malfunctions under normal use. Please retain your proof of purchase for warranty claims. For detailed terms and conditions, refer to the warranty card included with your product or visit the official CP PLUS website.

9. CUSTOMER SUPPORT

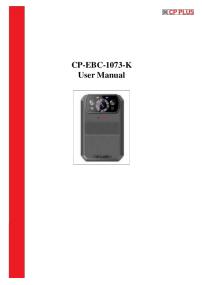
For further assistance, technical support, or warranty inquiries, please contact CP PLUS customer service. You can find contact information on the official CP PLUS website or through the ezyKam application.

Manufacturer: CP PLUS

Visit the [CP PLUS Store on Amazon](#) for more products and information.

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Related Documents - CP-V21

	<p>CP PLUS ezykam+ Wi-Fi Camera Quick Operation Guide</p> <p>A comprehensive guide to setting up and using your CP PLUS ezykam+ Wi-Fi camera, including installation, app usage, troubleshooting, and technical specifications.</p>
	<p>CP-EBC-1073-K Body Worn Camera User Manual</p> <p>Comprehensive user manual for the CP-EBC-1073-K body worn camera, detailing its features, structure, basic operations, device usage, and setup configurations for law enforcement and security professionals.</p>
	<p>CP PLUS ezykam+ Quick Operation Guide for CP-E51AR/E81AR</p> <p>Quick start guide for CP PLUS ezykam+ Wi-Fi cameras (models CP-E51AR and E81AR), covering setup, features, technical specifications, and troubleshooting.</p>

	<p>CP PLUS ezyKam+ E27A Quick Operation Guide</p> <p>A quick operation guide for the CP PLUS ezyKam+ E27A Wi-Fi Camera, covering setup, FAQs, system requirements, and technical specifications.</p>
	<p>CP PLUS 4G Router CP-XR-DE21-S Quick Installation Guide</p> <p>A quick installation guide for the CP PLUS 4G Router CP-XR-DE21-S, covering package contents, LED indicators, interface descriptions, working environments, installation steps, router configuration, and network settings.</p>
	<p>CP PLUS ezyKam+ E28A Wi-Fi Camera: Quick Operation Guide</p> <p>Comprehensive quick operation guide for the CP PLUS ezyKam+ E28A Wi-Fi camera, covering setup, FAQs, system requirements, technical specifications, and integration with Alexa and Google Assistant.</p>