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PM POPMAKE DE520

PM POPMAKE DE520 Wireless Outdoor Security Camera User Manual

Model: DE520 | Brand: PM POPMAKE

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your PM POPMAKE DE520 Wireless Outdoor Security Camera. Please read this manual thoroughly before using the product to ensure proper function and safety.

The PM POPMAKE DE520 is a battery-powered, wireless outdoor security camera designed for home surveillance. Key features include 2K resolution, 180° pan rotation, color night vision, PIR motion detection, two-way audio, and IP65 weather resistance.

Image 1.1: PM POPMAKE DE520 Camera with pan rotation and app interface.

2. Package Contents

Verify that all items are present in your package:

- Security Camera and Bracket x2
- Charging Cable x2
- Screws Set and Positioning sticker x2
- User Manual x1

Image 2.1: Overview of PM POPMAKE DE520 camera features.

3. Setup and Installation

3.1 Charging the Camera

Before initial use, fully charge the camera using the provided charging cable. The camera is powered by a rechargeable lithium polymer battery.

3.2 App Download and Account Creation

Download the "CloudEdge" app from the App Store (iOS) or Google Play Store (Android). Follow the in-app instructions to create an account and log in.

3.3 Camera Pairing

1. Power on the camera.
2. Open the CloudEdge app and tap the "+" icon to add a new device.

3. Follow the on-screen prompts to connect the camera to your 2.4GHz Wi-Fi network.**Note: This camera does not support 5GHz Wi-Fi.**
4. Ensure the camera is within range of your Wi-Fi router during the pairing process.

3.4 Mounting the Camera

The camera is designed for wall mounting and can be installed both indoors and outdoors. Use the provided screws and positioning sticker for secure installation.

- Choose a location that provides the desired viewing angle and is within Wi-Fi range.
- Ensure the mounting surface is stable.
- Use the positioning sticker to mark drill holes, then secure the bracket with screws.
- Attach the camera to the bracket.

Image 3.1: Simplified setup process with wireless design and user-friendly app.

4. Operating Instructions

4.1 Live View and Pan Rotation

Access the live feed of your camera through the CloudEdge app. You can remotely control the camera's 180° horizontal pan rotation to adjust the field of view.

Image 4.1: 180° Pan Coverage for comprehensive monitoring.

4.2 2K Color Night Vision

The camera provides 2K Quad HD resolution for clear images. In low-light conditions, the integrated color night vision feature delivers vibrant and detailed footage.

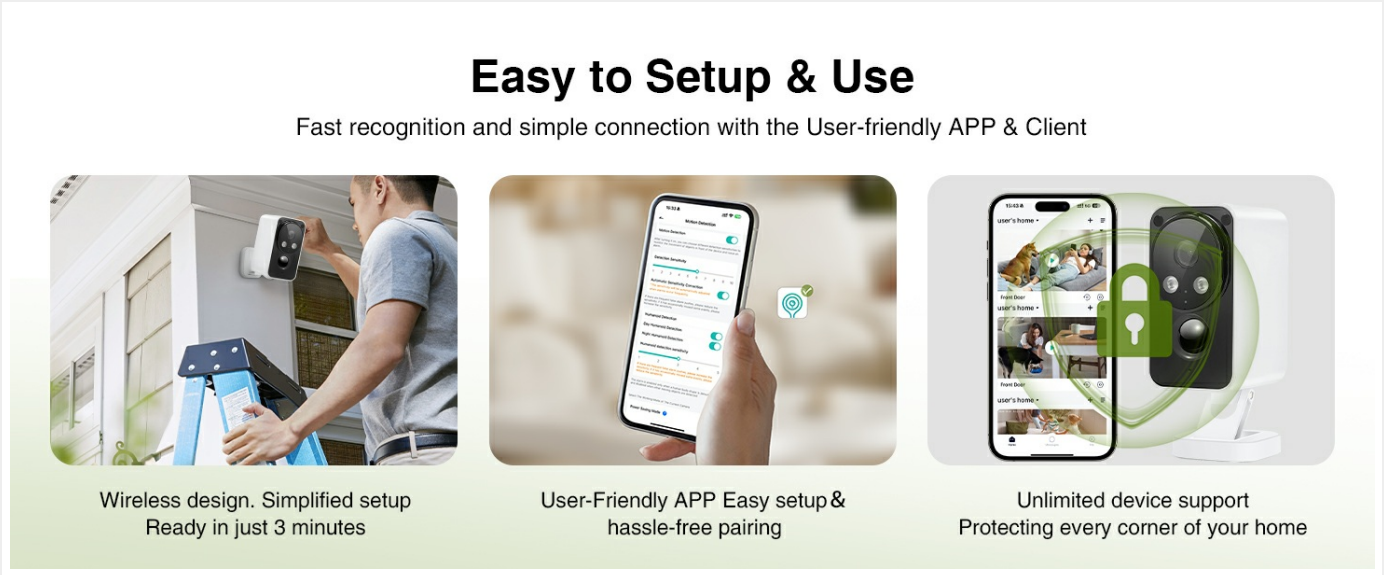


Image 4.2: Comparison of infrared and 2K crystal clear color night vision.

4.3 Motion Detection and Alarms

The camera features PIR motion detection. When motion is detected, the camera can automatically trigger recording, send notifications to your phone, activate a flashlight, and sound a siren alarm. These alarms can also be manually activated via the app.

Image 4.3: PIR Motion Detection and Smart Siren functionality.

4.4 Two-Way Audio

Utilize the two-way audio function in the app to communicate with individuals near the camera, such as greeting visitors or deterring unwanted activity.

4.5 Storage Options

The camera supports two storage methods:

- **Cloud Storage:** Provides lifetime free 7-day rolling cloud video storage. Footage is automatically overwritten.
- **SD Card Storage:** Supports local storage via a TF card (up to 128GB, not included). Insert the micro SD card into the camera for local recording.

All video data is secured with advanced encryption protocols.

Image 4.4: Real-time live view and video playback options with cloud and SD card storage.

4.6 User Sharing

Share access to your camera's live view and recorded footage with family members or trusted individuals through the CloudEdge app.

4.7 Customizable Settings

- **Activity Zones:** Define specific areas for motion detection to reduce false alerts.
- **Working Time:** Set schedules for motion detection alarms to conserve battery power.
- **AI Classification:** (Subscription required) The app offers intelligent AI classification to detect persons, pets, vehicles, and packages, reducing false alerts and allowing for easier clip retrieval.

Image 4.5: Selectable working time settings for motion detection.

5. Maintenance

5.1 Battery Management

The camera is equipped with a rechargeable battery. Monitor the battery level through the CloudEdge app and recharge as needed using the provided charging cable. Battery life varies based on usage and environmental factors.

5.2 Weather Resistance

The camera has an IP65 waterproof rating, making it suitable for outdoor use in various weather conditions, including rain, snow, and dust. It operates within a temperature range of -20°C (-4°F) to +60°C (140°F).

Image 5.1: IP65 Waterproof rating ensures durability in various weather conditions.

5.3 Cleaning

To maintain optimal image quality, periodically clean the camera lens with a soft, dry cloth. Avoid using abrasive cleaners or solvents.

6. Troubleshooting

- **Camera not connecting to Wi-Fi:**
  - Ensure your Wi-Fi network is 2.4GHz. The camera does not support 5GHz Wi-Fi.
  - Verify the camera is within range of your Wi-Fi router.
  - Check Wi-Fi password accuracy during setup.
  - Restart your router and the camera, then attempt pairing again.
- **Poor image quality:**

- Clean the camera lens.
- Ensure sufficient lighting for optimal color night vision.
- Check Wi-Fi signal strength; a weak signal can affect video streaming quality.

- **Motion detection not working or too many false alerts:**
  - Adjust motion detection sensitivity settings in the CloudEdge app.
  - Configure activity zones to focus on specific areas and ignore irrelevant movements.
  - Ensure the camera's view is not obstructed.
- **Two-way audio issues:**
  - Check microphone and speaker settings in the app.
  - Ensure your smartphone's volume is up.
  - Verify network connectivity for real-time communication.
- **Battery draining quickly:**
  - Frequent motion detection events and live view access consume more battery.
  - Adjust motion detection sensitivity and set working time schedules to conserve power.
  - Ensure the camera is fully charged before deployment.

7. Specifications

Feature	Detail
Model Name	DE520
Brand	PM POPMAKE
Video Capture Resolution	2K (3MP)
Viewing Angle	180 Degrees (Pan)
Connectivity Technology	Wireless (2.4GHz Wi-Fi only)
Power Source	Battery Powered (Lithium Polymer, included)
Indoor/Outdoor Usage	Indoor, Outdoor
Water Resistance Level	IP65 Waterproof
Operating Temperature	-20°C (-4°F) to +60°C (140°F)
Special Features	2-Way Audio, Motion Sensor (PIR), Color Night Vision, Siren
Storage Options	7-day Rolling Cloud Storage (Free), TF Card (up to 128GB, not included)
Compatible Devices	Smartphone (via CloudEdge App)
Dimensions (L x W x H)	2.6 x 1.97 x 4.09 inches
Item Weight	0.67 Kilograms (1.48 pounds)

8. Warranty and Support

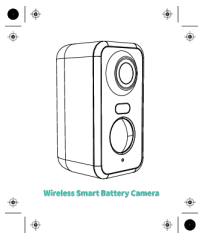
8.1 Warranty Information

Specific warranty details for the PM POPMAKE DE520 camera are typically provided with the product packaging or can be found on the manufacturer's official website. Please refer to these sources for the most accurate and up-to-date warranty terms and conditions.

8.2 Customer Support

For technical assistance, troubleshooting, or further inquiries, please contact PM POPMAKE customer support. Contact information is usually available in the product packaging or on the official PM POPMAKE website.
You can also visit the PM POPMAKE Store on Amazon for additional product information and resources.

Related Documents - DE520

	Wireless Smart Battery Camera User Manual Comprehensive guide for setting up and using the Wireless Smart Battery Camera, including app download, account registration, device pairing, installation, and troubleshooting.
	Wireless Smart Battery Camera User Manual Comprehensive guide for setting up and using the Wireless Smart Battery Camera, including app download, account registration, device pairing, installation, and troubleshooting.
	POPMAKE WiFi Wireless Outdoor Solar Security Camera User Manual V2.2 This user manual provides comprehensive instructions for the POPMAKE WiFi Wireless Outdoor Solar Security Camera (V2.2), covering installation, app setup, product specifications, troubleshooting, and frequently asked questions. Learn how to set up and use your solar-powered security camera for optimal performance.
	AUKEY PM-YY Dashboard Camera Hardwire Kit User Manual This user manual provides instructions for installing and using the AUKEY PM-YY Dashboard Camera Hardwire Kit. It details specifications, installation steps, parking mode functionality, and care instructions for connecting your dash camera to your car's OBD-II port for continuous power and motion detection recording.
	AUKEY PM-YY Dashboard Camera Hardwire Kit Installation and User Guide Comprehensive guide for the AUKEY PM-YY Dashboard Camera Hardwire Kit. Learn about specifications, installation, parking mode features, and product care for your dash cam.

	[Siemens SIMOTION Motion Control System Catalog PM 21 2017] This catalog details the Siemens SIMOTION Motion Control System, offering integrated solutions for production machines. It covers hardware platforms (SIMOTION D, P, C), software, and technical specifications for industrial automation.