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Panda Plus AMG-PC01

Panda Plus AMG-PC01 Smart Wi-Fi Video Doorbell User Manual

Model: AMG-PC01

1. Product Overview

The Panda Plus AMG-PC01 Smart Wi-Fi Video Doorbell offers advanced security and convenience for your home. Featuring a dual-camera system, motion detection, and Wi-Fi connectivity, it allows real-time monitoring and interaction directly from your smartphone via the Panda Plus app. This device is compatible with popular smart home platforms like Alexa and Google Assistant, providing voice control and scene creation capabilities. Its two-way audio function enables clear communication with visitors at your door.
The doorbell is equipped with a long-lasting rechargeable battery and includes intelligent protection against overcharge, low voltage, and high temperature. Notifications are sent via the Panda Plus, Tuya, and Smart Life apps, and it features an automatic night mode. A base station with an SD card slot (card not included) supports local and cloud recordings.

2. Package Contents

Upon opening the package, verify that all the following items are included:

- 1x Doorbell with Camera
- 1x Base Station with Speaker
- 1x Wall Mounting Panel
- 1x Mounting Adhesive
- 1x Warning Sticker
- 1x USB Charging Cable
- 1x Power Adapter
- 1x Screw Kit
- 1x Reset Pin
- 1x Installation Manual

3. Key Features

- **Dual Camera System:** Integrated dual HD cameras provide a 180-degree viewing angle with both frontal and inferior views, ensuring comprehensive coverage and eliminating blind spots.
- **Night Vision:** Delivers clear images day and night, ensuring 24-hour security.
- **Wi-Fi Connectivity:** 2.4GHz wireless connection for integration with Tuya, Smart Life, and PandaPlus applications.
- **Smart Home Compatibility:** Works with Alexa and Google Assistant for voice control and smart scene automation.

- **Two-Way Audio:** Enables clear and instant communication between the visitor and resident.
- **Motion Sensor:** Sends instant alerts to your smartphone upon detecting movement.
- **Long-Lasting Battery:** Rechargeable battery with up to 6 months of duration, featuring intelligent protection against overcharge, low voltage, and high temperature.
- **Local and Cloud Storage:** Supports local recording via an SD card slot in the base station (SD card not included) and cloud storage options.
- **Weather Resistance:** Designed to be resistant to water and dust.

4. Installation Guide

Follow these steps for proper installation of your video doorbell:

1. **Choose Location:** Select a non-metallic wall for installation. The recommended installation height is between 1.4m and 1.6m from the ground to ensure optimal camera coverage.
2. **Mounting:** Secure the doorbell to the wall using the provided screw kit or mounting adhesive. Ensure it is firmly attached.
3. **Power Connection:** The doorbell operates on an internal rechargeable battery. For charging, use the provided USB charging cable and 5V power adapter. The base station requires bivolt power.
4. **Environment:** It is recommended for use in protected indoor environments, away from direct rain exposure.



Figure 4.1: Doorbell and Base Station Dimensions with Dust and Water Resistance.



Figure 4.2: Power and Charging Connections for the Doorbell and Base Station.

5. Operating Instructions

The Panda Plus video doorbell is controlled primarily through the Panda Plus application on your smartphone. This app allows you to:

- **View Live Images:** Access real-time video feeds from the dual cameras.
- **Receive Alerts:** Get instant notifications for motion detection or doorbell presses.
- **Communicate with Visitors:** Use the two-way audio feature to speak with anyone at your door.
- **Record Images:** Save video and photo captures directly to your smartphone or to an SD card in the base station.

For voice control, integrate the device with Alexa or Google Assistant through their respective applications. Follow the instructions provided by Alexa or Google Assistant to link your Panda Plus account and enable voice commands such as "Alexa, open the camera."

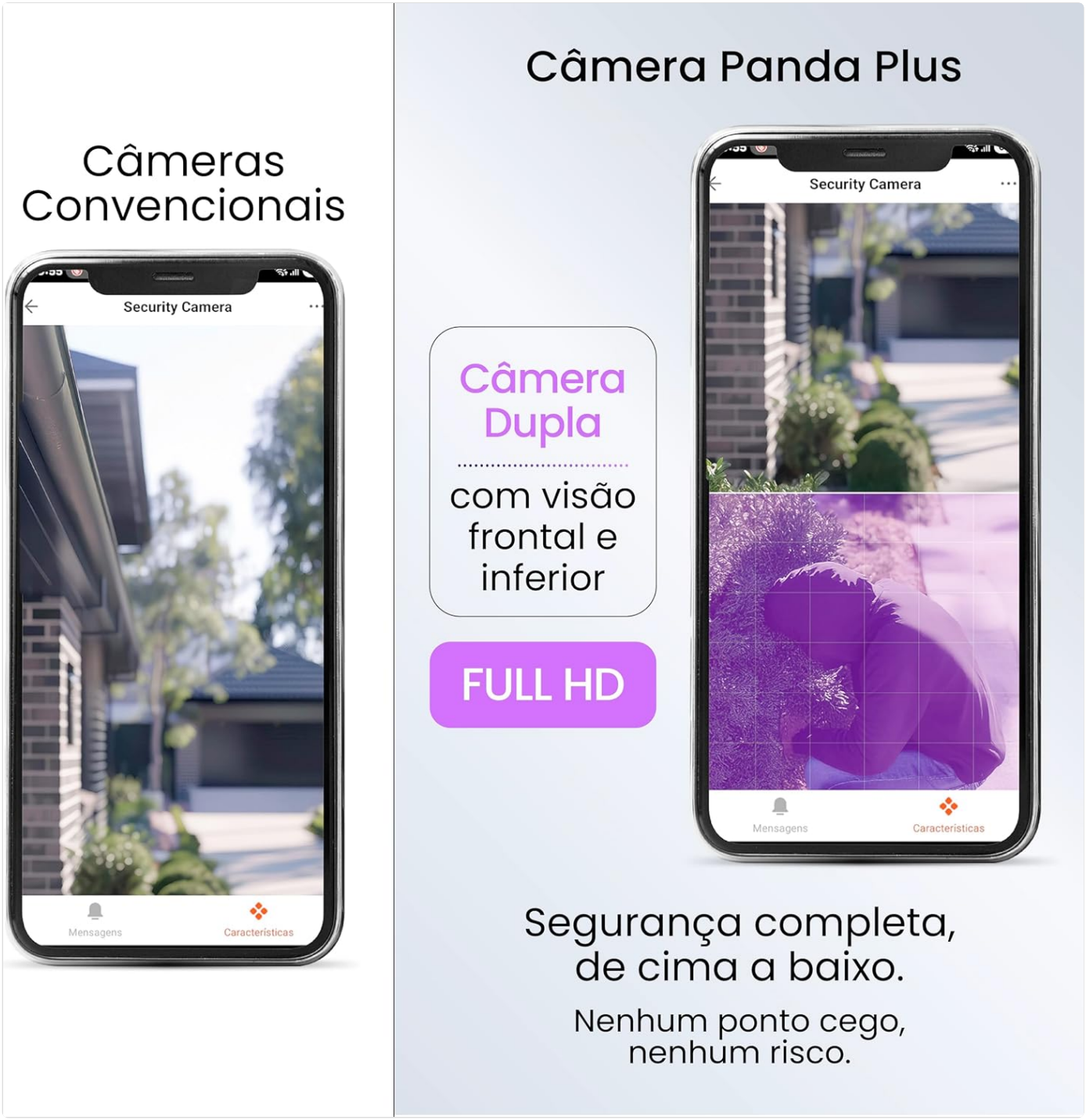


Figure 5.1: Dual Camera View for Comprehensive Coverage.



Figure 5.2: Night Vision with Motion Sensor.



Figure 5.3: Water Resistance of the Doorbell.



Figure 5.4: Two-Way Audio Functionality.



Figure 5.5: Voice Control Integration with Smart Assistants.

6. Maintenance

- **Battery Charging:** The doorbell's internal battery should be recharged when indicated by the device or app. Use the provided USB cable and power adapter. The battery is designed for long life (up to 6 months) and includes protection features.
- **Cleaning:** Gently wipe the camera lens and device surface with a soft, dry cloth. Avoid using harsh chemicals or abrasive materials.
- **Environmental Protection:** While the device is water-resistant, it is recommended to install it in a location protected from heavy rain to prolong its lifespan.



Figure 6.1: Long-Lasting Battery Information.

7. Troubleshooting

Problem	Possible Cause	Solution
Device not connecting to Wi-Fi	Incorrect Wi-Fi password, weak signal, or 5GHz network.	Ensure correct 2.4GHz Wi-Fi network and password. Move device closer to router or check signal strength.
No motion detection alerts	Motion detection disabled in app, incorrect sensitivity settings, or battery low.	Check app settings for motion detection. Adjust sensitivity. Ensure battery is charged.
Poor video quality	Weak Wi-Fi signal, dirty camera lens, or low light conditions.	Improve Wi-Fi signal. Clean camera lens. Night vision should activate automatically in low light.
Two-way audio not working	Microphone/speaker muted in app, or network issues.	Check app audio settings. Ensure stable internet connection.

Problem	Possible Cause	Solution
Battery not holding charge	Faulty charging cable/adapter, or battery degradation.	Try a different USB charging cable and adapter. If issue persists, contact support.

8. Specifications

Feature	Detail
Model	AMG-PC01
Connectivity	Wi-Fi 2.4GHz
Compatibility	Android / iOS / Alexa / Google Assistant / Tuya / Smart Life
Doorbell Dimensions	15cm x 5cm (approx. 160 x 55 x 35 mm)
Base Station Dimensions	9.5cm x 5cm (approx. 95 x 65 x 25 mm)
Recommended Installation Height	1.4m to 1.6m
Power Source (Doorbell)	Internal Rechargeable Battery (5V adapter recommended for charging)
Power Source (Base Station)	Bivolt
Environment	Recommended for protected indoor environments (doorbell is water-resistant for outdoor use, but protection from heavy rain is advised)
Special Features	Dual Camera, Night Vision, Two-Way Audio, Motion Sensor, Water and Dust Resistant
Certification	ANATEL: 07870-24-13626

9. Support Information

For any questions or assistance, please contact Panda Plus customer support. Our team is available Monday to Friday, from 8:00 AM to 5:30 PM.
While specific warranty details are not provided here, please refer to the warranty card included in your package or contact customer support for information regarding product warranty and service.

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