AOSU AOSU Home Security System DIY Kit, SolarCam D1 Classic 4 Kit + Doorbell Camera Wireless + 2K Indoor Camera

AOSU Home Security System DIY Kit User Manual

SolarCam D1 Classic 4 Kit + Doorbell Camera Wireless + 2K Indoor Camera

1. Introduction

Welcome to the AOSU Home Security System DIY Kit user manual. This comprehensive kit provides robust security solutions for your home, combining outdoor surveillance, smart doorbell functionality, and indoor monitoring. This manual will guide you through the installation, operation, and maintenance of your new security system.
The kit includes:

- AOSU Security Cameras Outdoor Wireless (4-Cam Kit)
- AOSU Doorbell Camera Wireless
- AOSU 2K Security Camera Indoor
- Associated accessories and a central hub for local storage.



Figure 1.1: Overview of the AOSU Home Security System DIY Kit, showing four outdoor solar cameras, a central hub, a wireless doorbell camera, a doorbell chime, and an indoor 2K camera.

2. Setup and Installation

Before beginning installation, ensure you have a stable 2.4GHz or 5GHz Wi-Fi network available and download the AOSU app from your device's app store.

2.1. Initial App Setup

1. Download the **AOSU Security App** from the Apple App Store or Google Play Store.
2. Open the app and create a new account or log in if you already have one.
3. Follow the in-app instructions to add your first device, typically starting with the central hub if included, or directly with the cameras.

2.2. SolarCam D1 Classic Outdoor Cameras Setup

These cameras are designed for outdoor use and are powered by integrated solar panels.

1. **Mounting Location:** Choose a location with ample sunlight exposure for the solar panel and a clear view of the area you wish to monitor. Ensure the camera is within Wi-Fi range.
2. **Installation:** Use the provided mounting bracket and screws to securely attach the camera to a wall or eave. Adjust the angle of the solar panel for optimal sun exposure.
3. **Pairing:** Power on the camera. In the AOSU app, select 'Add Device' and follow the prompts to pair the camera with your system. This typically involves scanning a QR code on the camera or pressing a sync button.



Figure 2.1: Four AOSU SolarCam D1 Classic outdoor cameras shown with their solar panels and the central hub, illustrating the components for outdoor surveillance.

2.3. Wireless Doorbell Camera Setup

The doorbell camera provides front-door security and communication.

1. **Charging:** Fully charge the doorbell camera before installation using the provided USB-C cable.
2. **Mounting:** Choose a suitable location near your front door, ensuring a clear view. Use the provided mounting bracket and screws to secure it.

3. **Chime Pairing:** Plug the wireless chime into a power outlet inside your home. Follow the app instructions to pair the doorbell camera with the chime.
4. **Wi-Fi Connection:** Connect the doorbell camera to your home Wi-Fi network via the AOSU app.



Figure 2.2: The AOSU Wireless Doorbell Camera and its accompanying wireless chime, ready for installation.

2.4. 2K Indoor Camera Setup

This camera is designed for indoor monitoring, such as for pets or babies.

1. **Placement:** Place the indoor camera on a flat surface or mount it to a wall/ceiling in your desired monitoring area. Ensure it has access to a power outlet.
2. **Power On:** Connect the camera to power using the provided adapter.
3. **Wi-Fi Connection:** In the AOSU app, add the indoor camera and connect it to your Wi-Fi network.



Figure 2.3: The compact AOSU 2K Indoor Camera, suitable for discreet indoor surveillance.

3. Operation and Features

Your AOSU security system is managed primarily through the AOSU Security App.

3.1. AOSU Security App Overview

The app provides a centralized interface for viewing live feeds, accessing recordings, configuring settings, and receiving notifications.

- **Live View:** Access real-time video streams from all connected cameras.
- **Playback:** Review recorded events stored locally on the hub or camera's internal storage. The system supports up to 60 days of loop footage with 32GB local storage.
- **Notifications:** Receive instant alerts for motion detection, package detection (doorbell), and other events.
- **Settings:** Customize motion sensitivity, recording schedules, notification preferences, and more.

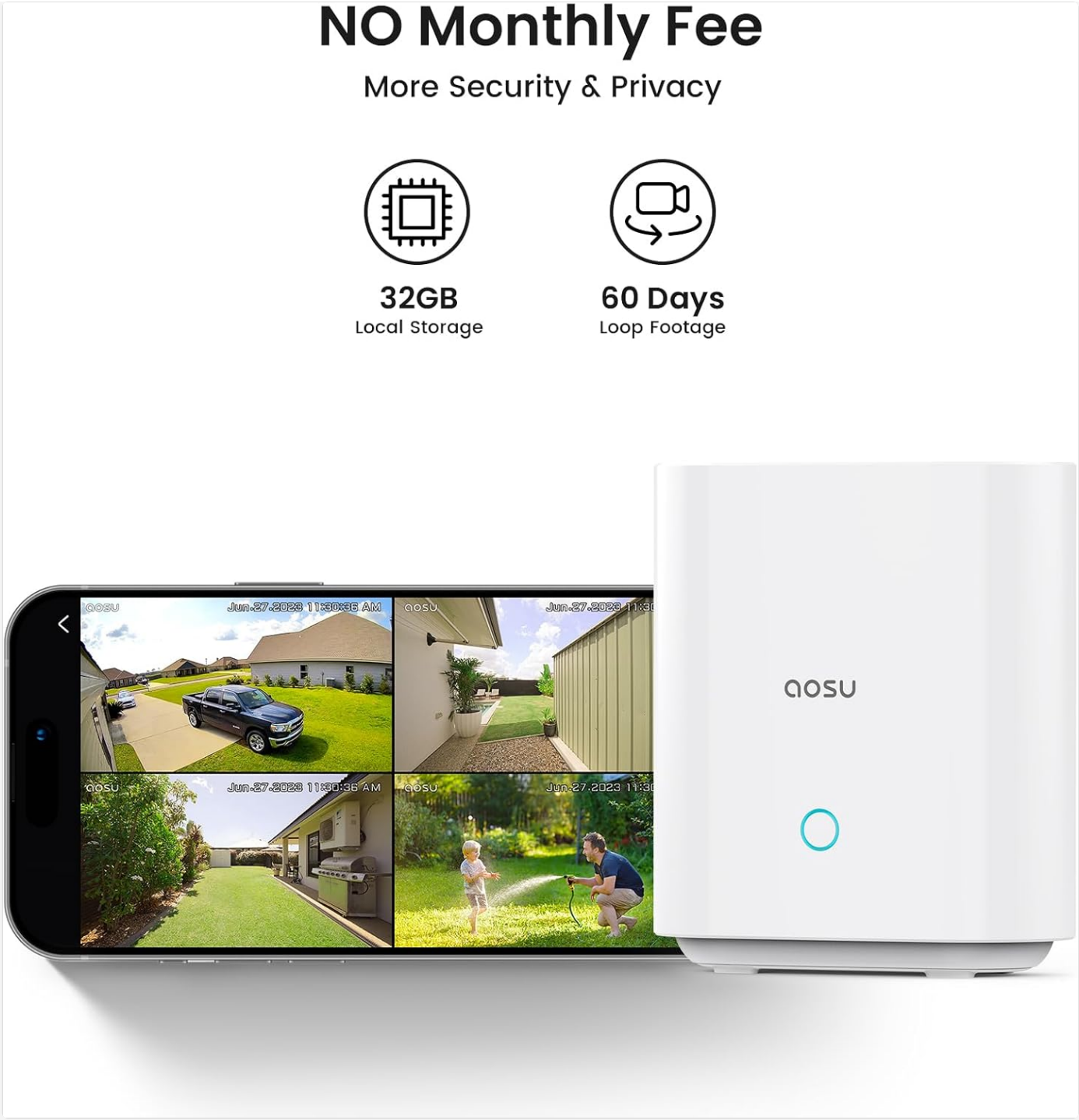


Figure 3.1: The AOSU app interface displaying multiple camera feeds and highlighting features like 32GB local storage and 60 days of loop footage, indicating no monthly fees.

3.2. SolarCam D1 Classic Outdoor Camera Features

- **2K Resolution & Color Night Vision:** Provides clear, detailed video day and night.
- **360° Pan & Tilt:** Remotely adjust the camera's viewing angle to cover a wider area.
- **Auto Tracking:** The camera can automatically follow detected motion within its field of view.
- **Two-Way Audio:** Communicate with visitors or deter intruders using the built-in speaker and microphone.



Figure 3.2: An example of the 2K video quality, demonstrating the ability to zoom in 6x to see clear details such as license plates or identification badges.

3.3. Wireless Doorbell Camera Features

- **Head-to-Toe View:** A 170° ultra-wide-angle lens provides a full view of visitors and packages on your doorstep.
- **Intelligent Package Detection:** Smart algorithms detect packages left at your door and send alerts.
- **Two-Way Audio:** Speak directly with visitors from your smartphone.
- **Smart Human Detection:** Reduces false alerts by distinguishing human shapes from other motion.



Figure 3.3: A smartphone screen displaying the AOSU doorbell camera's 170° ultra-wide Head-to-Toe View, showing two individuals and a package on a doorstep.

3.4. 2K Indoor Camera Features

- **360-Degree Coverage:** Pan and tilt functionality allows you to remotely adjust the camera's view to monitor an entire room.
- **One-Touch Call:** A dedicated button on the camera allows family members to initiate a call to your smartphone.
- **Smart Motion Tracking:** The camera automatically tracks moving objects or people within its view.
- **IR Night Vision:** Provides clear video in low-light or no-light conditions.



Figure 3.4: The AOSU 2K Indoor Camera positioned next to a smartphone displaying its live feed, showing a child and a dog in a room.



Figure 3.5: Illustration of the One-Touch Call feature on the AOSU Indoor Camera, where pressing a button on the camera initiates a call to a linked smartphone.

4. Maintenance

Regular maintenance ensures optimal performance and longevity of your AOSU security system.

- **Cleaning Lenses:** Periodically wipe camera lenses with a soft, lint-free cloth to remove dust, dirt, or smudges that may affect video clarity. Do not use harsh chemicals.
- **Solar Panel Cleaning:** For outdoor cameras, ensure the solar panels are free of debris, leaves, or snow to maximize charging efficiency.
- **Firmware Updates:** Check the AOSU app regularly for available firmware updates. Updates often include performance improvements, new features, and security enhancements. Install updates as recommended.
- **Battery Check (Doorbell):** While the doorbell camera has a long-lasting battery, monitor its charge level via the app and recharge as needed.
- **Storage Management:** If using local storage, ensure there is sufficient space. The system typically manages loop recording automatically, but you can manually delete old footage if necessary.

5. Troubleshooting

Here are solutions to common issues you might encounter with your AOSU security system.

Issue	Possible Cause	Solution
Camera Offline	Weak Wi-Fi signal, power loss, network changes.	Check Wi-Fi signal strength at camera location. Reboot camera and/or Wi-Fi router. Re-pair camera if necessary.
Poor Video Quality	Dirty lens, low light, weak Wi-Fi, network congestion.	Clean the camera lens. Ensure adequate lighting for night vision. Improve Wi-Fi signal. Reduce network traffic.
Motion Detection Not Working	Incorrect sensitivity settings, detection zone not set, obstructions.	Adjust motion sensitivity in the app. Define or adjust detection zones. Clear any physical obstructions.
No Audio / Two-Way Audio Issues	Microphone/speaker blocked, app permissions, network latency.	Ensure microphone/speaker are not blocked. Check app permissions for microphone access. Verify stable network connection.
Doorbell Not Ringing Chime	Chime unplugged, not paired, low doorbell battery.	Ensure chime is plugged in. Re-pair doorbell with chime. Charge doorbell battery.

6. Specifications

Key technical specifications for the AOSU Home Security System components:

- **Brand:** AOSU
- **Connectivity Technology:** Wireless (2.4G & 5G Wi-Fi support for SolarCam, 2.4G Wi-Fi for Doorbell/Indoor Cam)
- **Recommended Uses:** Outdoor Security (SolarCam), Home Security (Indoor Cam), Door Monitoring (Doorbell)
- **Special Features:** PTZ Technology (Pan/Tilt/Zoom), Auto Tracking, Color Night Vision, Head-to-Toe View, Intelligent Package Detection, One-Touch Call, Smart Motion Tracking, IR Night Vision
- **Indoor/Outdoor Usage:** SolarCam & Doorbell: Outdoor; Indoor Camera: Indoor
- **Resolution:** 2K (all cameras)
- **Local Storage:** Up to 32GB (via central hub/internal storage), 60 days loop footage
- **Power Source:** Solar-powered (Outdoor Cams), Battery (Doorbell), Wired (Indoor Cam)
- **ASIN:** B0DNQ4PPCS

7. Warranty and Support

For warranty information, please refer to the official AOSU website or the warranty card included with your product. AOSU typically offers a limited warranty covering manufacturing defects.
For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please contact AOSU customer service. You can often find support contact details on the official AOSU website or through the AOSU Security App.
You can also visit the AOSU Store on Amazon for more product information and support resources.

8. Official Product Videos

No official seller videos were provided for this product in the available data. Please refer to the AOSU official website or product page for any available video demonstrations or guides.

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