AOSU C7P2BH11-2H

AOSU C7P2BH11-2H Solar 2K QHD Wireless Outdoor Security Camera User Manual

Model: C7P2BH11-2H

Introduction Package Contents Product Overview Setup Operation Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your AOSU C7P2BH11-2H Solar 2K QHD Wireless Outdoor Security Camera. Please read this manual thoroughly before using the product to ensure proper functionality and safety. Keep this manual for future reference.

2. Package Contents

Ensure all items listed below are present in your package. If any items are missing or damaged, please contact customer support.

- AOSU C7P2BH11-2H Security Camera (1 unit)
- Solar Panel (1 unit)
- Mounting Bracket and Screws
- USB Charging Cable
- User Manual (this document)
- Quick Start Guide

3. Product Overview

Familiarize yourself with the components of your security camera system.



Figure 3.1: AOSU C7P2BH11-2H Camera and Solar Panel

This image displays the AOSU C7P2BH11-2H outdoor security camera, which is white with a black front panel. It features a lens, a spotlight, and an indicator light. A separate black solar panel is connected to the camera via a white cable, providing continuous power. The camera is mounted on a white adjustable bracket.

3.1 Camera Components

- **Camera Lens:** Captures 2K QHD video.
- **Spotlight:** Provides illumination for color night vision and acts as a deterrent.
- **Infrared LEDs:** For black and white night vision.
- **Motion Sensor:** Detects movement in the surveillance area.
- **Microphone:** For audio input.
- **Speaker:** For two-way audio communication.
- **Status Indicator Light:** Indicates camera status (e.g., pairing, charging, recording).
- **USB Charging Port:** For initial charging or alternative power input.
- **Reset Button:** Used to reset the camera to factory settings.

3.2 Solar Panel

The included solar panel provides continuous power to the camera, reducing the need for manual recharging. It connects to the camera via a weather-resistant cable.

4. Setup

4.1 Initial Charging

Before initial use, fully charge the camera using the provided USB cable and a standard 5V/2A USB power adapter (not included). The status indicator light will show charging status.

4.2 App Installation

1. Download the "AOSU Security" app from the Apple App Store (for iOS devices) or Google Play Store (for Android devices).
2. Register for a new account or log in if you already have one.

4.3 Camera Pairing

1. Open the AOSU Security app and tap the "+" icon to add a new device.
2. Select your camera model from the list.
3. Follow the on-screen instructions to power on the camera and put it into pairing mode (usually indicated by a flashing blue light).
4. Connect the camera to your 2.4GHz Wi-Fi network. Ensure your smartphone is also connected to the same network.
5. Scan the QR code displayed on your phone with the camera lens.
6. Once connected, the camera will confirm successful pairing, and the indicator light will turn solid blue.

4.4 Mounting the Camera and Solar Panel

Choose a suitable outdoor location for optimal surveillance and solar charging.

1. **Camera Placement:** Mount the camera at a height of 2-3 meters (7-10 feet) for optimal motion detection and a wide field of view. Ensure it covers the desired area without obstructions.
2. **Solar Panel Placement:** Position the solar panel in a location that receives direct sunlight for at least 3-4 hours daily. Angle it to maximize sun exposure throughout the day.
3. **Installation:** Use the provided mounting bracket and screws to securely attach both the camera and the solar panel to a wall or ceiling surface.
4. **Connect Solar Panel:** Plug the solar panel cable into the camera's charging port. Ensure the connection is secure and weather-resistant.

5. Operating Instructions

5.1 Live View

Open the AOSU Security app and select your camera to view the live feed. You can pan, tilt, and zoom (if supported by the app) within the 166° ultra-wide view.

5.2 Recording and Playback

- **Event Recording:** The camera automatically records video clips when motion is detected. These clips are stored in the cloud or on a local SD card (if installed).
- **Manual Recording:** You can initiate manual recording from the live view screen in the app.
- **Playback:** Access recorded events through the app's playback or event history section.

5.3 Motion Detection

The camera features an adjustable motion sensor. You can customize sensitivity levels and detection zones within the app to minimize false alerts.

- **Alerts:** Receive instant notifications on your smartphone when motion is detected.
- **Customization:** Adjust motion detection sensitivity and set specific activity zones to focus on critical areas.

5.4 Night Vision and Spotlight

The camera offers both infrared (black and white) and color night vision capabilities.

- **Infrared Night Vision:** Automatically activates in low-light conditions, providing clear black and white video.
- **Color Night Vision:** The integrated spotlight can be configured to activate upon motion detection at night, providing full-color video and acting as a visual deterrent.

5.5 Two-Way Audio

Use the built-in microphone and speaker to communicate with visitors or deter intruders directly from your smartphone app.

6. Maintenance

6.1 Cleaning

- Regularly clean the camera lens and solar panel surface with a soft, damp cloth to ensure optimal performance.
- Do not use harsh chemicals or abrasive cleaners.

6.2 Battery Care

- The camera is powered by an integrated Lithium-Ion battery, continuously charged by the solar panel.
- Ensure the solar panel receives adequate sunlight to maintain battery charge.
- In prolonged periods of low sunlight, the camera may require manual charging via the USB port.

7. Troubleshooting

Problem	Possible Solution
Camera not connecting to Wi-Fi	• Ensure your Wi-Fi network is 2.4GHz. • Check Wi-Fi password accuracy. • Move the camera closer to the Wi-Fi router. • Reset the camera and try pairing again.
Poor video quality	• Clean the camera lens. • Check Wi-Fi signal strength; a weak signal can affect streaming quality. • Ensure there are no obstructions in front of the lens.

Problem	Possible Solution
Battery not charging via solar panel	• Ensure the solar panel is positioned to receive direct sunlight for several hours daily. • Clean the solar panel surface. • Check the connection cable between the solar panel and the camera.
Motion detection not working or too many false alerts	• Adjust motion detection sensitivity in the app. • Define specific activity zones to exclude irrelevant areas (e.g., busy roads, swaying trees). • Ensure the camera is mounted at the recommended height.

8. Specifications

Model Number	C7P2BH11-2H
Brand	AOSU
Video Resolution	2K QHD
Field of View	166° Ultra-Wide
Connectivity	Wi-Fi (2.4GHz)
Power Source	Solar Powered (with integrated Lithium-Ion battery)
Special Features	Motion Sensor, Night Vision (Infrared & Color), Spotlight, Two-Way Audio
Mounting Type	Surface, Ceiling, Wall
Material	Plastic
Power Consumption	3 Watts
Compatible Devices	Smartphone (iOS, Android)
Dimensions (Package)	24.31 x 16.61 x 8.41 cm
Weight (Package)	680 g

9. Warranty and Support

9.1 Warranty Information

AOSU products typically come with a limited warranty. Please refer to the warranty card included in your package or visit the official AOSU website for detailed warranty terms and conditions. Keep your purchase receipt as proof of purchase for warranty claims.

9.2 Customer Support

For technical assistance, troubleshooting, or any product-related inquiries, please contact AOSU customer support through their official website or the contact information provided in your product packaging. When contacting support, please have your model

number (C7P2BH11-2H) and purchase details ready.

© 2023 AOSU. All rights reserved. Information in this manual is subject to change without notice.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question