

EVERSECU BS16-4

EVERSECU 2K Outdoor Solar Security Camera (Model BS16-4) User Manual

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your EVERSECU 2K Outdoor Solar Security Camera (Model BS16-4). Please read this manual carefully before using the product to ensure proper setup and functionality. Keep this manual for future reference.

The EVERSECU 2K Outdoor Solar Security Camera is a wireless, solar-powered surveillance solution designed for both indoor and outdoor use. It features 2K 3MP video resolution, Pan-Tilt-Zoom (PTZ) functionality for 360° viewing, smart siren, spotlights, color night vision, AI human detection, and two-way audio communication. It is compatible with Alexa and offers flexible storage options via cloud or SD card.



Figure 1: EVERSECU 2K Outdoor Solar Security Camera with key features highlighted.

2. SETUP

2.1 Package Contents

Before installation, verify that all components are present:

- Camera Body
- Solar Panel
- USB Cable
- Mounting Screws and Anchors
- User Manual (this document)

2.2 Initial Charging

It is recommended to fully charge the camera's built-in 7500mAh battery using the provided USB cable before initial installation. Connect the USB cable to the camera's charging port and a 5V/2A power adapter (not included).

2.3 App Installation and Account Creation

1. Download the **O-KAM** app from the App Store (iOS) or Google Play Store (Android).
2. Open the app and create a new account, or log in if you already have one.

2.4 Camera Pairing with App

1. Power on the camera using the switch.
2. In the O-KAM app, tap the "+" icon to add a new device.
3. Follow the on-screen instructions to connect the camera to your **2.4GHz Wi-Fi network**. Note that 5GHz Wi-Fi is not supported.
4. Ensure your phone is connected to the same 2.4GHz Wi-Fi network during the pairing process.

2.5 Mounting the Camera and Solar Panel

Choose a mounting location that provides a clear view of the area you wish to monitor and receives ample direct sunlight for the solar panel. The camera is IP65 waterproof, suitable for outdoor conditions.

1. **Camera Mounting:** Securely attach the camera bracket to a wall or ceiling using the provided screws and anchors. Ensure the camera is positioned to cover the desired area.
2. **Solar Panel Mounting:** Mount the solar panel in a location that receives maximum direct sunlight throughout the day. Connect the solar panel cable to the camera's charging port.

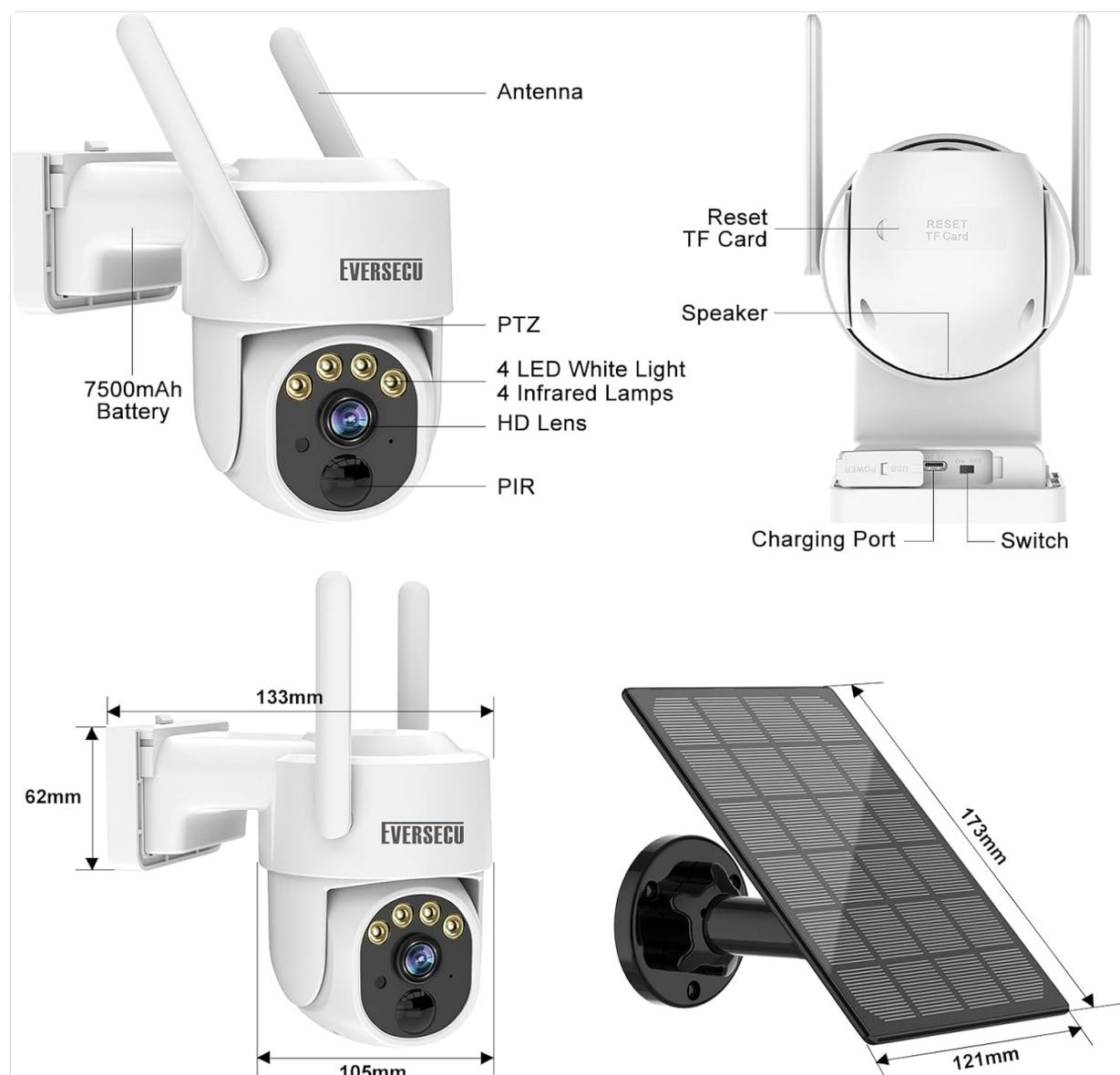


Figure 2: Detailed view of camera components and dimensions for mounting reference.



Figure 3: Camera mounted, illustrating 355° pan and 90° tilt capabilities.

3. OPERATING INSTRUCTIONS

3.1 Live View and Playback

Access the O-KAM app to view live footage from your camera. You can also review recorded events stored on the SD card or cloud storage.

3.2 Pan-Tilt-Zoom (PTZ) Control

Use the directional controls within the O-KAM app to remotely adjust the camera's viewing angle. The camera supports 355° horizontal pan and 120° vertical tilt, allowing comprehensive coverage.

3.3 Two-Way Audio

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

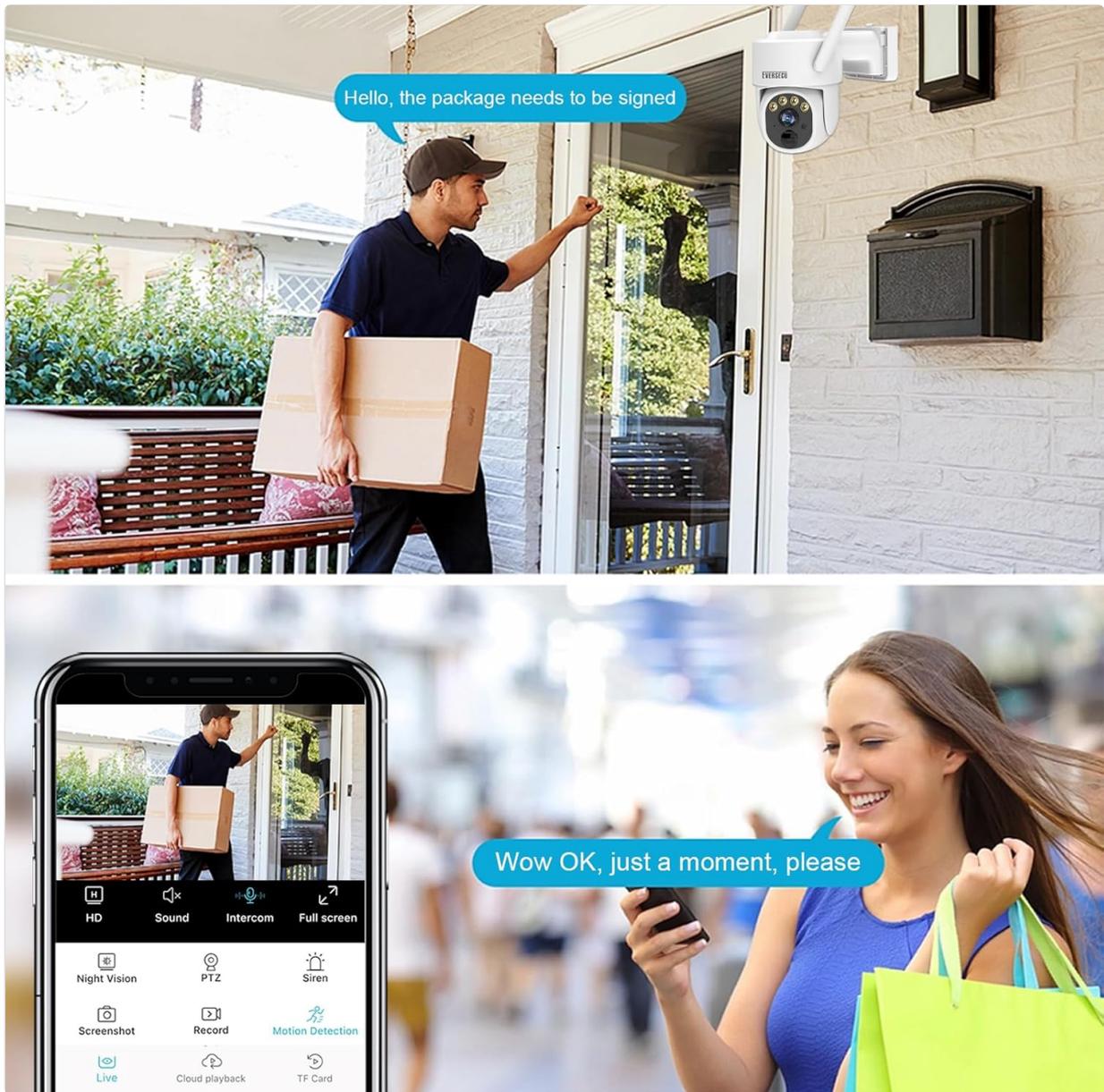


Figure 4: Example of using two-way audio to communicate with a visitor.

3.4 Motion Detection and Alerts

The camera features PIR (Passive Infrared) motion detection and AI human detection to minimize false alarms. When motion is detected, you will receive instant alerts on your phone.

- **Custom Alarm Area:** Configure specific activity zones within the app to only receive notifications from selected areas, reducing unnecessary interruptions.
- **Smart Siren and Spotlights:** The camera can activate a smart siren and spotlights upon detection to deter intruders. Customizable alarm modes are available in the app.

PIR human body induction

Built-in PIR motion sensor detects only objects with heat signatures to reduce false alarms.



Figure 5: PIR human body induction in action, detecting a person and triggering an alert.

Figure 6: Custom alarm area configuration within the O-KAM app.

3.5 Night Vision

The camera provides clear surveillance even in low-light conditions with dual-source lighting. It offers both infrared (IR) night vision and color night vision, with a night vision distance of up to 30 meters.

Ultra HD Night Vision

3MP HD Infrared Night Vision

65 feet night vision range, clearly see on dark night



Figure 7: Ultra HD Night Vision capturing clear images in darkness.

3.6 Storage Options

Recordings can be stored in two ways:

- **Cloud Storage:** Subscribe to the O-KAM cloud service for secure, remote storage of your video footage.
- **SD Card Storage:** Insert a microSD card (up to 128GB, not included) into the camera's SD card slot for local storage.

4. MAINTENANCE

4.1 Solar Panel Care

Regularly clean the surface of the solar panel to ensure maximum sunlight absorption. Dust, dirt, or debris can reduce charging efficiency. Use a soft, damp cloth to wipe the panel.

4.2 Camera Cleaning

Wipe the camera lens and body with a soft, dry cloth to remove any dirt or smudges. Avoid using harsh

chemicals or abrasive materials that could damage the camera's finish or lens.

4.3 Weather Resistance

The camera is rated IP65 waterproof, meaning it is protected against dust and low-pressure water jets. While designed for outdoor use, avoid submerging the camera in water or exposing it to extreme weather conditions beyond its operating temperature range (-13°F to 140°F / -25°C to 60°C).



Figure 8: The camera's IP65 waterproof design ensures functionality in various weather conditions.

5. TROUBLESHOOTING

5.1 Camera Not Powering On

- Ensure the power switch is in the "ON" position.
- Check the battery level. If low, charge the camera using the USB cable.
- Verify the solar panel is connected correctly and receiving sufficient sunlight.

5.2 Unable to Connect to Wi-Fi

- Confirm your Wi-Fi network is 2.4GHz. The camera does not support 5GHz Wi-Fi.
- Ensure the camera is within range of your Wi-Fi router.
- Check your Wi-Fi password for accuracy.
- Restart your router and the camera, then attempt pairing again.

5.3 Motion Detection Not Working or Too Sensitive

- Adjust the motion detection sensitivity settings in the O-KAM app.
- Define custom alarm areas to exclude irrelevant zones (e.g., public roads, swaying trees).
- Ensure there are no obstructions blocking the camera's PIR sensor.

5.4 Poor Video Quality

- Check your Wi-Fi signal strength. A weak signal can affect video streaming quality.
- Ensure the camera lens is clean and free from dirt or condensation.
- Verify the camera is set to 2K resolution in the app settings.

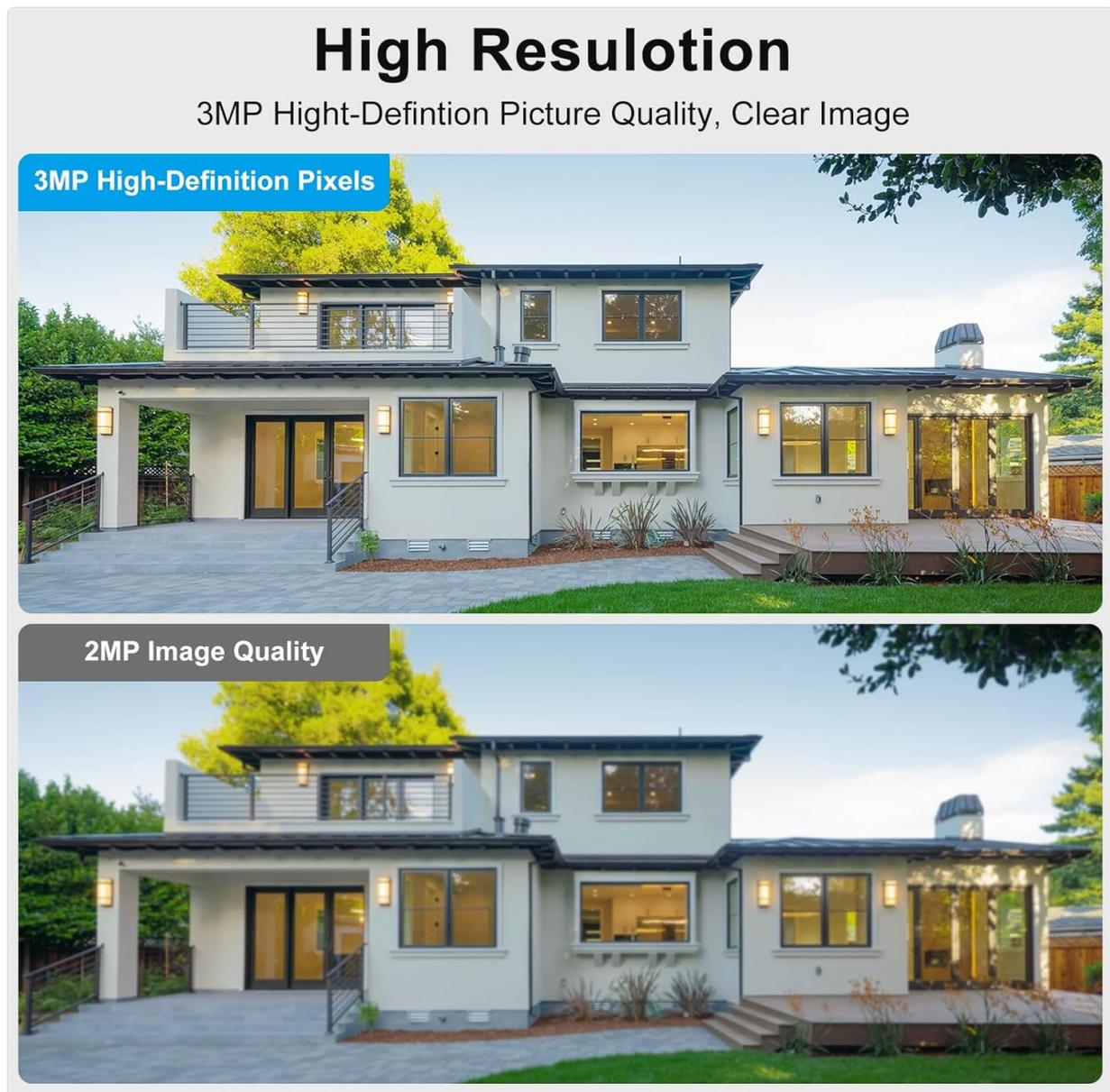


Figure 9: Visual comparison of 3MP high-definition versus 2MP image quality.

6. SPECIFICATIONS

Feature	Detail
Model Name	BS16-4
Video Capture Resolution	1296p (2K 3MP)
Indoor/Outdoor Usage	Indoor, Outdoor
Power Source	Solar Powered (7500mAh Battery)
Connectivity Technology	Wireless (2.4GHz Wi-Fi)
Connectivity Protocol	Wi-Fi
Controller Type	Amazon Alexa
Compatible Devices	IOS/Android
Mounting Type	Ceiling Mount
IP Rating	IP65 Waterproof
Pan/Tilt Range	355° Pan, 120° Tilt
Night Vision	Color Night Vision, Infrared (30m distance)
AI Features	AI Human Detection
Audio	2-Way Talk
Storage Options	Cloud/SD Card (up to 128GB)
Operating Temperature	-13°F to 140°F (-25°C to 60°C)
Product Dimensions	7.13 x 5.79 x 11 inches
Item Weight	7.7 pounds (3.5 Kilograms)

7. WARRANTY AND SUPPORT

7.1 Warranty Information

EVERSECU products typically come with a limited warranty. Please refer to the warranty card included with your purchase or visit the official EVERSECU website for specific warranty terms and conditions. Keep your proof of purchase for warranty claims.

7.2 Customer Support

If you encounter any issues or have questions regarding your EVERSECU 2K Outdoor Solar Security Camera, please contact EVERSECU customer support through the following channels:

- **O-KAM App:** Access the 'Help' or 'Support' section within the O-KAM application.
- **Manufacturer Website:** Visit the official EVERSECU website for FAQs, troubleshooting guides, and contact information.

