Topcony ZS-GX6S-V3

Topcony 2K Outdoor WiFi Surveillance Camera with Solar Panel

Model: ZS-GX6S-V3

1. Introduction

This manual provides instructions for the installation, operation, and maintenance of your Topcony 2K Outdoor WiFi Surveillance Camera with Solar Panel, Model ZS-GX6S-V3. Please read this manual thoroughly before using the product to ensure proper functionality and safety.

2. Package Contents

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.



Image: The package contents include the Topcony surveillance camera, solar panel, mounting brackets, screws, USB charging cable, and user manual.

- Topcony 2K Outdoor WiFi Surveillance Camera (Model ZS-GX6S-V3)
- Solar Panel with 3-meter cable
- Mounting Bracket for Camera
- Mounting Bracket for Solar Panel
- Screws and Wall Plugs
- USB Charging Cable
- User Manual

3. Product Overview

The Topcony ZS-GX6S-V3 is a wireless outdoor surveillance camera designed for continuous monitoring. It features a solar panel for power, 2K resolution, 360° coverage, and advanced detection capabilities.

3.1 Key Features

- **2K/3MP Resolution:** Provides clear and sharp video footage.
- **Solar Powered:** Equipped with a high-efficiency solar panel for continuous power, reducing the need for manual recharging.
- **100% Wireless:** Operates without power cables or network cables, connecting via 2.4GHz WiFi.
- **360° Coverage:** Offers 355° horizontal pan and 120° vertical tilt via mobile application control.
- **Color Night Vision:** Features three night vision modes (color, infrared, intelligent) with a range of up to 15 meters.
- **AI/PIR Detection:** Advanced artificial intelligence and Passive Infrared detection to distinguish human activity and minimize false alarms.
- **Two-Way Audio:** Built-in speaker and microphone for real-time communication.
- **Alexa Compatibility:** Supports voice commands for live camera viewing.
- **Local & Cloud Storage:** Supports up to 128GB SD card (not included) and basic free cloud storage.
- **IP65 Weatherproof:** Designed to withstand rain and harsh weather conditions.

3.2 Camera Components

Familiarize yourself with the main components of the camera.



Image: Front view of the Topcony ZS-GX6S-V3 camera, showing the lens, LED lights, and antennas.

- Camera Lens
- Infrared LEDs / Spotlight
- PIR Sensor
- Microphone
- Speaker
- Antennas (2)
- SD Card Slot (under protective cover)
- Reset Button (under protective cover)
- USB Charging Port (under protective cover)
- Mounting Base

4. Setup

4.1 Charging the Camera

Before initial use, fully charge the camera's built-in lithium-ion batteries using the provided USB cable and a 5V power adapter (not included). A full charge ensures optimal performance, especially before solar panel installation.

4.2 App Installation and Account Creation

1. Download the companion mobile application from your device's app store (iOS or Android). Search for "Topcony" or refer to the QR code in the quick start guide.
2. Open the app and create a new account. Follow the on-screen instructions to register.

4.3 Connecting the Camera to WiFi

1. Power on the camera.
2. In the app, select "Add Device" and follow the prompts to connect the camera to your 2.4GHz WiFi network. The camera does not support 5GHz WiFi.
3. Ensure the camera is within range of your WiFi router during the setup process.

4.4 Mounting the Camera and Solar Panel

The camera and solar panel can be mounted on a wall or ceiling. Choose a location that provides a clear view and receives ample sunlight for the solar panel.



Image: Illustration showing wall mounting and ceiling mounting options for the camera, along with the solar panel installation.

1. **Select Location:** Identify a suitable mounting spot for the camera that covers the desired surveillance area. For the solar panel, choose a location that receives direct sunlight for most of the day.
2. **Mark and Drill:** Use the mounting brackets as templates to mark drill holes on the wall or ceiling. Drill holes and insert wall plugs if necessary.
3. **Attach Brackets:** Securely fasten the camera and solar panel mounting brackets using the provided screws.
4. **Attach Camera and Solar Panel:** Mount the camera onto its bracket and adjust the angle. Attach the solar panel to its bracket and connect the 3-meter cable to the camera's charging port.
5. **Adjust Solar Panel:** Position the solar panel to maximize sun exposure. One sunny day can provide approximately three days of power.



Image: The solar panel connected to the camera, illustrating continuous power supply. One sunny day provides approximately three days of power.

5. Operating Instructions

5.1 Live View and Pan/Tilt Control

Open the app and select your camera to view the live feed. Use the on-screen controls to pan (355° horizontally) and tilt (120° vertically) the camera lens to adjust the viewing angle. Digital zoom (4x) is also available.

5.2 Night Vision Modes

The camera offers three night vision modes:

- **Color Night Vision:** Utilizes the built-in spotlight to provide full-color video in low-light conditions.
- **Infrared Night Vision:** Uses infrared LEDs for black and white video in complete darkness.
- **Intelligent Night Vision:** Automatically switches between infrared and color night vision based on detected motion.



Image: Comparison of night vision modes, showing how the camera's spotlight enables color night vision in dark environments.

5.3 AI/PIR Motion Detection and Alarms

The camera uses advanced AI and PIR sensors to detect motion and differentiate between human activity and other movements, reducing false alarms by up to 95%.

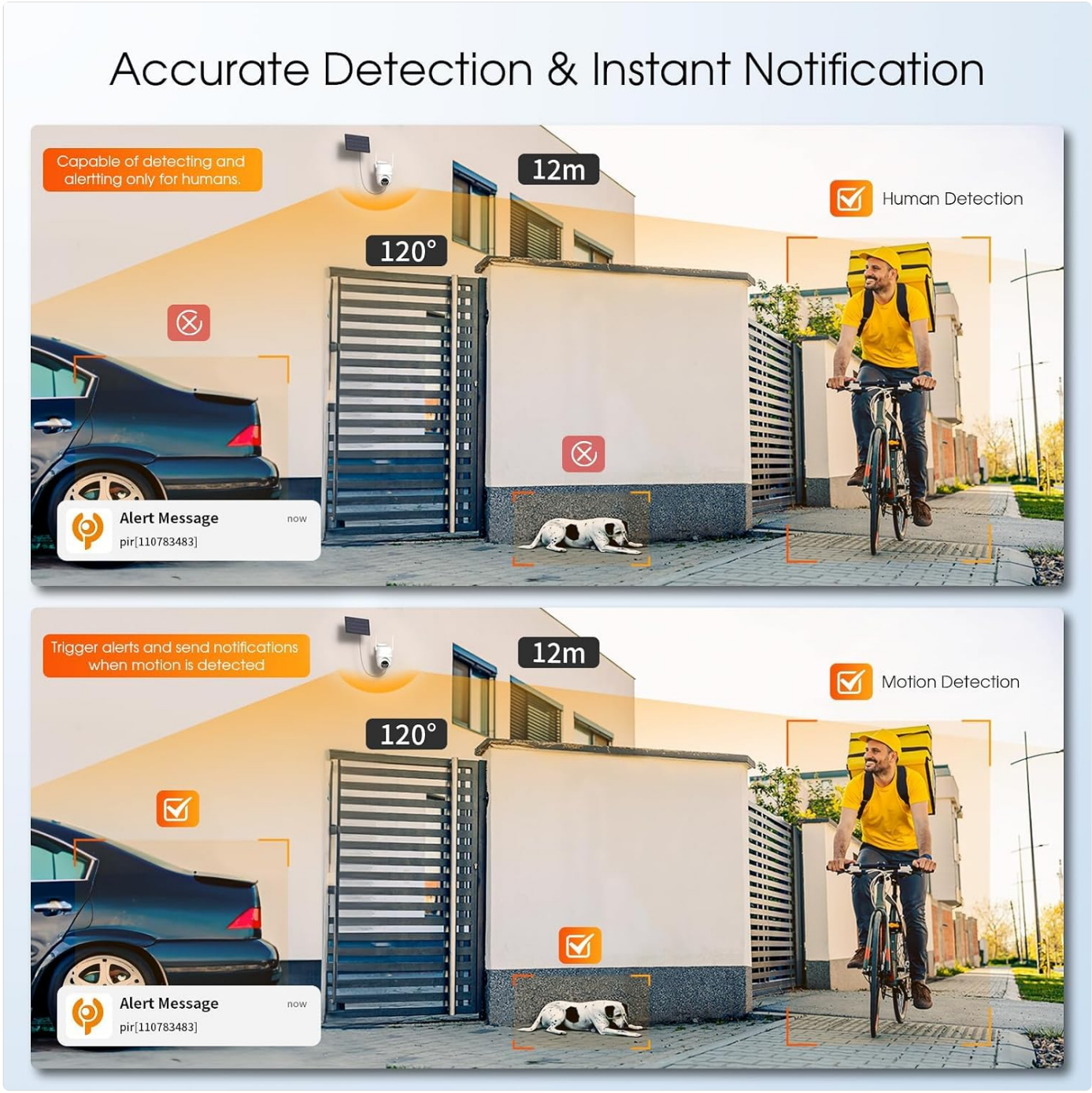


Image: Illustrates the difference between human detection (alerting only for humans) and general motion detection (alerting for any movement, including pets).

When a suspicious person is detected, the camera can activate a bright white light and an audible warning (siren) within 0.2 to 1 second to deter intruders. You will receive instant notifications on your mobile device.

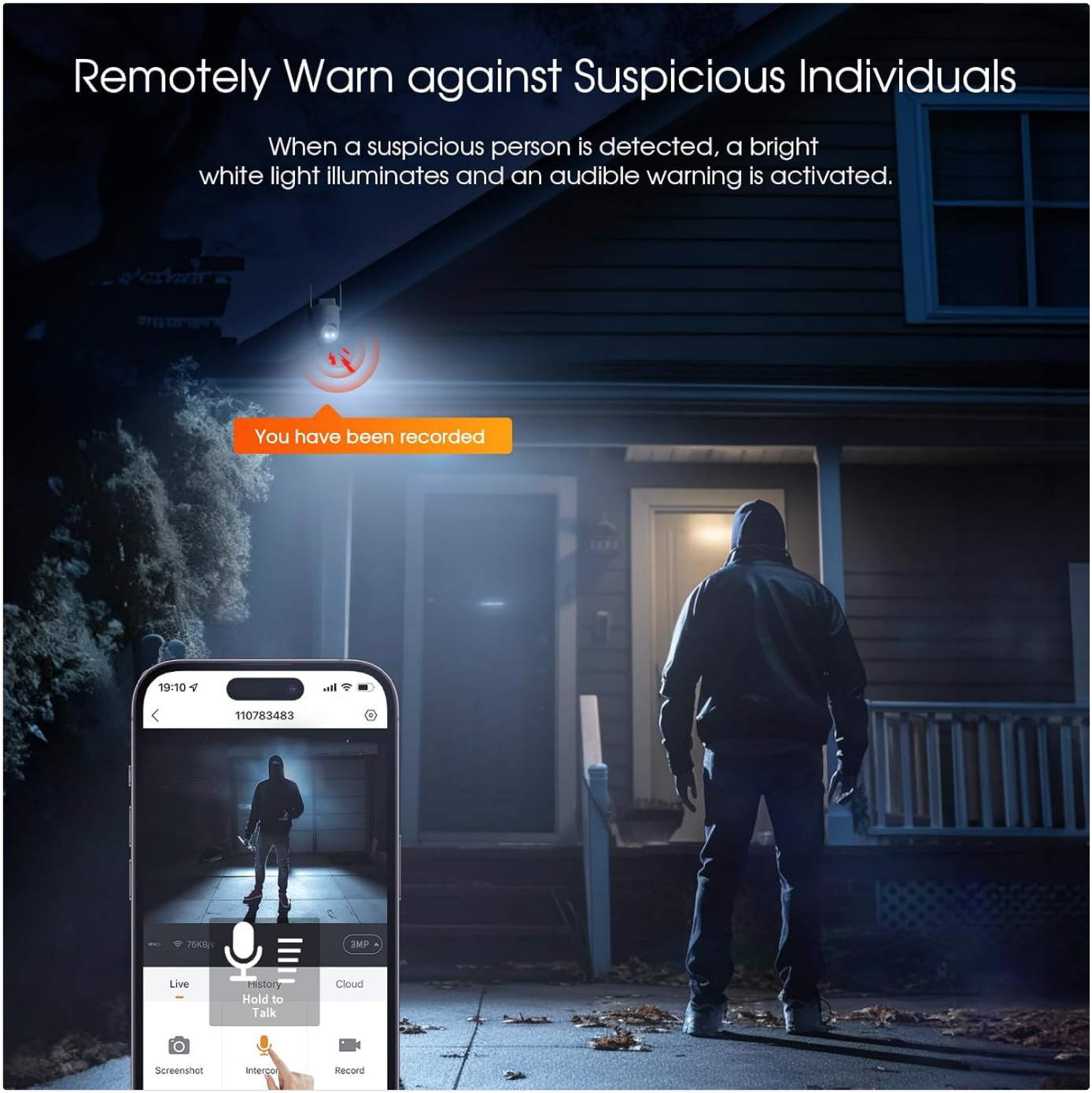


Image: A person is detected by the camera, triggering a bright light and an on-screen notification indicating recording and warning activation.

Note: Additional AI detection functions for animals, packages, and cars may require a subscription fee.

5.4 Two-Way Audio

Use the two-way audio feature to communicate with visitors or deter unwanted guests. Tap the microphone icon in the live view to speak through the camera's speaker.

5.5 Storage Options

The camera supports two storage methods for recorded footage:

- **SD Card Storage:** Insert a microSD card (up to 128GB, not included) into the camera's SD card slot. Ensure the camera is powered off before inserting or removing the card.
- **Cloud Storage:** Basic free cloud storage is available. This option provides a secure backup for your recordings and allows for 4x playback for quick review.



Image: Depicts the camera's support for up to 128GB SD card storage and basic cloud storage.

5.6 Alexa Integration

The camera is compatible with Amazon Alexa. You can use voice commands to view the live feed on compatible Alexa-enabled devices (e.g., Echo Show).

1. Enable the "Topcony" skill in your Alexa app.
2. Link your Topcony account with your Alexa account.
3. Use commands such as "Alexa, show me the [camera name]" to view the live feed.



Image: A person using an Alexa-enabled device to view the camera feed, demonstrating Alexa compatibility.

5.7 Family Sharing

You can share camera access with family and friends using a QR code generated within the app. This allows multiple users to monitor the property.

6. Maintenance

- **Solar Panel Cleaning:** Periodically clean the surface of the solar panel to remove dust, dirt, or debris that may reduce its charging efficiency. Use a soft, damp cloth.
- **Camera Lens Cleaning:** Gently wipe the camera lens with a microfiber cloth to ensure clear image quality.
- **Battery Health:** The camera uses rechargeable lithium-ion batteries. While the solar panel provides continuous charging, ensure the camera is fully charged before extended periods of low sunlight.
- **Firmware Updates:** Check the app regularly for firmware updates to ensure your camera has the latest features and security enhancements.

7. Troubleshooting

Problem	Possible Solution
Camera not connecting to WiFi	• Ensure your WiFi network is 2.4GHz. The camera does not support 5GHz. • Check WiFi signal strength at the camera's location. • Restart your router and the camera. • Perform a factory reset on the camera (refer to the reset button location).
Poor image quality	• Clean the camera lens. • Ensure sufficient lighting for optimal image quality, especially at night. • Check your internet connection speed.
Solar panel not charging effectively	• Ensure the solar panel is positioned to receive direct sunlight for several hours daily. • Clean the surface of the solar panel. • Check the connection cable between the solar panel and the camera.
Frequent false alarms	• Adjust the motion detection sensitivity in the app. • Utilize the AI human detection feature to filter out non-human movements. • Define specific detection zones to exclude areas with frequent irrelevant motion (e.g., moving trees).
Two-way audio not working	• Ensure the microphone and speaker are not obstructed. • Check volume settings in the app and on your mobile device. • Verify app permissions for microphone access on your phone.

8. Specifications

Feature	Detail
Model Number	ZS-GX6S-V3
Brand	Topcony
Resolution	2K / 3MP
Connectivity	2.4GHz Wi-Fi (IEEE 802.11b/g/n)
Power Source	Solar-powered, 2 Lithium-ion batteries (included)
Voltage	5 Volts
Pan/Tilt Angle	355° Horizontal, 120° Vertical
Digital Zoom	4x
Night Vision Range	Up to 15 meters

Feature	Detail
Special Features	Motion Detection (AI/PIR), Color Night Vision, Two-Way Audio, Siren, Spotlight, Alexa Compatibility
Storage	MicroSD card (up to 128GB, not included), Basic Cloud Storage
Weather Resistance	IP65
Material	Plastic
Dimensions (L x W x H)	18 x 17 x 12.9 cm
Weight	565 grams

9. Warranty and Support

Topcony offers after-sales support within 24 hours. For any questions, technical assistance, or warranty claims, please contact Topcony customer service through the contact information provided in the product packaging or on the official Topcony website.

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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