Topcony TY60

Topcony 5MP PTZ WLAN IP Outdoor Surveillance Camera User Manual

Model: TY60

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Topcony 5MP PTZ WLAN IP Outdoor Surveillance Camera (Model TY60). Please read this manual thoroughly before using the product to ensure correct usage and optimal performance. Keep this manual for future reference.
The Topcony TY60 camera is designed for outdoor surveillance, offering high-resolution video, advanced detection features, and robust weather resistance. It is an ideal solution for monitoring your home or business premises.

2. Product Overview

2.1 Key Features

- **5MP (2304 x 1296) Ultra HD Resolution:** Captures clear and detailed images.
- **IP66 Weatherproof Rating:** Designed to withstand harsh outdoor conditions.
- **AI Human Detection:** Accurately distinguishes human movement from other objects, reducing false alarms.
- **Auto Tracking:** Automatically follows detected human movement horizontally.
- **PTZ Functionality:** Pan (355° horizontal) and Tilt (120° vertical) for wide area coverage.
- **Color Night Vision:** Provides clear, vivid images even in total darkness up to 15 meters using 3 white LEDs and infrared lights.
- **Two-Way Audio:** Built-in microphone and speaker for real-time communication.
- **Sound and Light Alarm:** Deters intruders with a loud siren and bright lights upon detection.
- **24/7 Continuous Recording:** Ensures constant monitoring and recording.
- **Flexible Storage Options:** Supports Micro SD card (up to 128GB, not included) and basic cloud storage (7-day cycle, no subscription fee).
- **2.4 GHz Wi-Fi Connectivity:** Stable wireless connection (5 GHz networks are not supported).

- **Remote Access:** Control and monitor via the "Topcony Cam" smartphone application.

2.2 Package Contents

- 1 x Topcony PTZ Camera (Model TY60)
- 1 x Power Adapter (3 meters long)
- 1 x Installation Sticker
- 1 x User Manual
- 2 x Screw Caps
- 2 x Screws

2.3 Camera Components



Figure 1: Topcony 5MP PTZ WLAN IP Outdoor Surveillance Camera. This image shows the overall design of the camera, highlighting its dome shape and dual antennas for improved Wi-Fi connectivity.

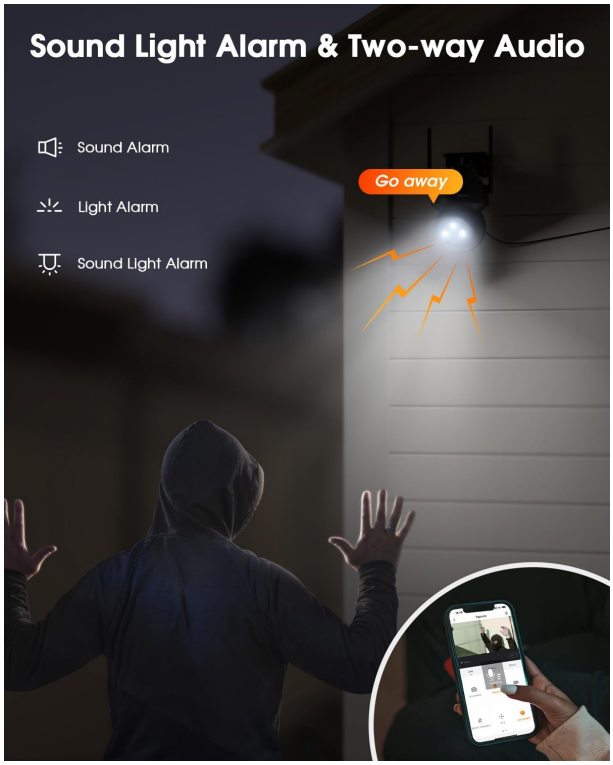


Figure 2: Key features of the Topcony camera. This image illustrates the 5MP 2.5K resolution, color night vision, privacy mode, two-way audio, customized sound and light alarm, IP66 waterproof rating, and 360° PTZ horizontal auto-tracking capabilities.

3. Setup

3.1 Powering the Camera

1. Connect the provided power adapter to the camera's power input port.
2. Plug the power adapter into a standard electrical outlet. The camera will power on and initiate its startup sequence.

3.2 App Installation and Account Creation

1. Download the "Topcony Cam" application from your smartphone's app store (available for iOS and Android).
2. Open the app and follow the on-screen instructions to create a new user account.

3.3 Connecting the Camera to Wi-Fi

1. Ensure your smartphone is connected to a 2.4 GHz Wi-Fi network. The camera does not support 5 GHz Wi-Fi.
2. In the "Topcony Cam" app, tap the "+" icon to add a new device.
3. Select your camera model and follow the in-app instructions, which typically involve scanning a QR code displayed on your phone with the camera lens or connecting via an audible pairing process.
4. Once connected, the camera's status indicator will change, and you will see the live feed in the app.

3.4 Mounting the Camera

The camera supports both wall and ceiling mounting. Choose a location that provides optimal viewing coverage and a stable Wi-Fi signal.

1. Use the provided installation sticker to mark the drilling points on the desired mounting surface.

2. Drill pilot holes and insert the wall anchors if necessary.
3. Secure the camera's mounting bracket to the surface using the provided screws.
4. Attach the camera to the mounting bracket, ensuring it is firmly in place.



Figure 3: Hidden Design & Special Brackets for 2 Mounting Methods. This image demonstrates how the camera can be mounted on a wall or ceiling, showcasing the flexibility of its installation.

4. Operating Instructions

4.1 Live View and PTZ Control

- Open the "Topcony Cam" app and select your camera to view the live feed.
- Swipe on the screen to pan (horizontal rotation up to 355°) and tilt (vertical rotation up to 120°) the camera lens.
- Use the digital zoom function (up to 4x) to view details by pinching the screen.

4.2 Motion and Human Detection

The camera features advanced detection capabilities to alert you to activity.

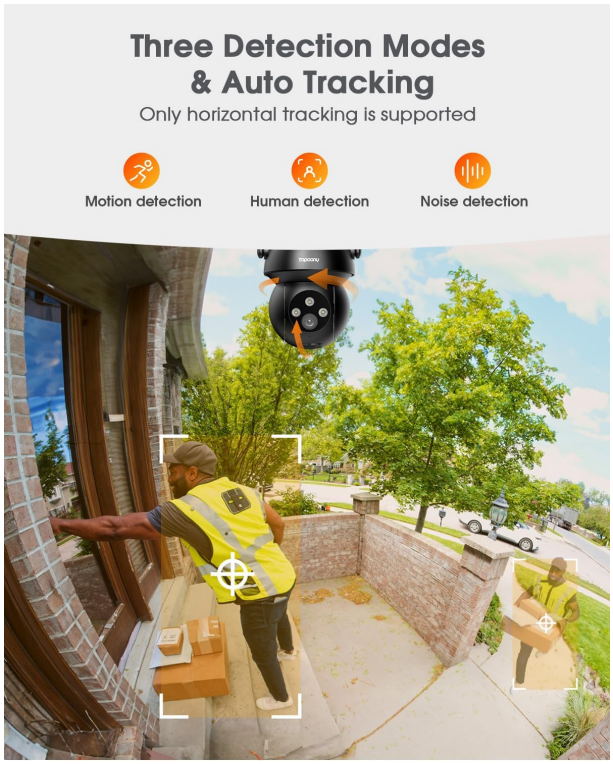


Figure 4: Three Detection Modes & Auto Tracking. This image illustrates the camera's ability to detect motion, human presence, and noise, along with its horizontal auto-tracking feature.

1. Navigate to the camera settings in the app.
2. Enable "Motion Detection" and "Human Detection" as desired.
3. Adjust sensitivity levels and set detection zones to minimize false alarms.
4. When motion or a human is detected, you will receive a notification on your smartphone.

4.3 Two-Way Audio and Alarms

Communicate with visitors or deter intruders using the camera's audio and alarm features.

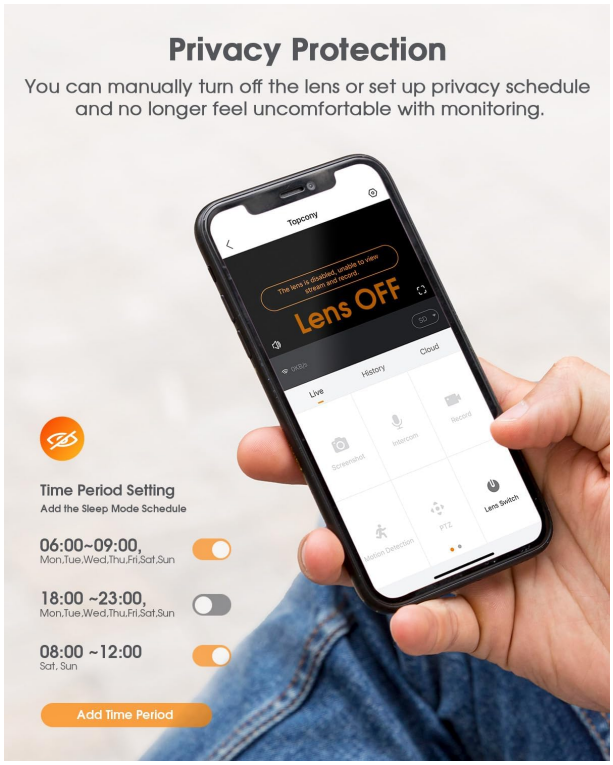


Figure 5: Sound Light Alarm & Two-way Audio. This image depicts the camera's ability to trigger a sound alarm, a light alarm, or both, and its two-way audio function for communication.

- **Two-Way Audio:** In the live view, tap the microphone icon to speak through the camera's speaker. Tap the speaker icon to listen to audio from the camera's vicinity.
- **Sound and Light Alarm:** In the app settings, configure alarm modes (white light, voice alarm, or both) to activate upon detection.

4.4 Night Vision Modes

The camera offers clear visibility in low-light conditions.



Figure 6: 5MP Color Night Vision. This image compares day and night views, demonstrating the camera's capability to provide clear color images even in darkness when lights are on, or black and white infrared vision when lights are off.

- The camera automatically switches between day and night vision modes based on ambient light.
- In night mode, it utilizes infrared LEDs for black and white vision or white LEDs for color night vision, depending on your settings.

4.5 Recording and Storage

The camera supports continuous recording and event-triggered recording.

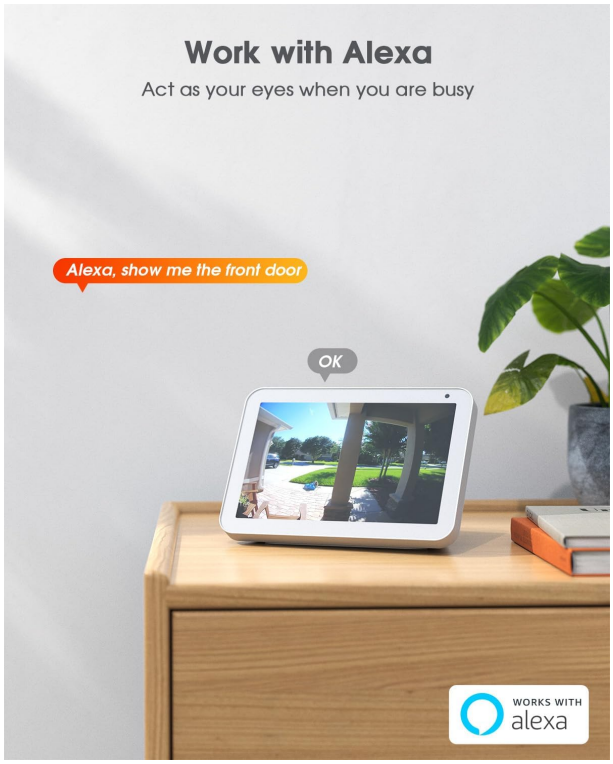


Figure 7: 24/7 Continuous Recording & All-Day Protection. This image highlights the camera's continuous recording feature, memory card storage (up to 128GB), and basic cloud storage (7-day cycle) options.

- **Micro SD Card:** Insert a Micro SD card (up to 128GB, not included) into the designated slot on the camera. The camera will automatically begin recording. Older footage will be overwritten when the card is full.
- **Cloud Storage:** The camera offers basic cloud storage with a 7-day cycle for recorded events. Review recorded footage via the app.

4.6 Privacy Protection

Manage your privacy settings for monitoring.



Figure 8: Privacy Protection. This image shows the app interface for privacy settings, allowing users to manually turn off the lens or set a privacy schedule to disable monitoring during specific times.

- In the "Topcony Cam" app, access the privacy settings.
- You can manually turn off the camera lens or set a schedule for privacy mode, during which the camera will not record or stream.

5. Maintenance

- **Cleaning:** Regularly wipe the camera lens with a soft, dry cloth to ensure clear image quality. Do not use harsh chemicals or abrasive materials.
- **Firmware Updates:** Check the "Topcony Cam" app periodically for firmware updates. Keeping your camera's firmware updated ensures optimal performance and security.
- **Power Supply:** Ensure the power adapter and cable are free from damage. Replace immediately if any damage is observed.
- **Wi-Fi Connection:** Periodically check the Wi-Fi signal strength in the app to ensure a stable connection. Relocate the camera or Wi-Fi router if the signal is consistently weak.

6. Troubleshooting

Problem	Possible Cause	Solution
Camera not powering on.	No power supply; faulty adapter/cable.	Check power connection. Ensure outlet is functional. Try a different power adapter if available.
Unable to connect to Wi-Fi.	Incorrect Wi-Fi password; 5 GHz network used; camera too far from router.	Ensure correct 2.4 GHz Wi-Fi password. Confirm your router is broadcasting a 2.4 GHz signal. Move camera closer to the router or use a Wi-Fi extender.

Problem	Possible Cause	Solution
Frequent disconnections.	Weak Wi-Fi signal; network interference.	Improve Wi-Fi signal strength. Reduce interference from other devices.
Poor image quality.	Dirty lens; low light conditions; network bandwidth issues.	Clean the camera lens. Ensure adequate lighting for optimal color night vision. Check network speed.
False alarms from motion detection.	High sensitivity; environmental factors (e.g., moving branches, insects).	Adjust motion detection sensitivity in the app. Define specific detection zones to exclude irrelevant areas. Ensure AI Human Detection is enabled.
Two-way audio not working.	Microphone/speaker muted in app; network issues.	Check audio settings in the app. Ensure microphone and speaker icons are not muted. Verify stable network connection.
SD card not recording.	SD card full; faulty SD card; incorrect formatting.	Check SD card status in the app. Format the SD card via the app. Replace the SD card if it is faulty.

7. Specifications

Feature	Specification
Model Number	TY60
Resolution	5 Megapixels (2304 x 1296p)
Connectivity	2.4 GHz Wi-Fi (IEEE 802.11b/g/n)
Pan/Tilt Range	Pan: 0°-355°, Tilt: 0°-120°
Lens View Angle	101° (Diagonal) x 85° (Horizontal) x 45° (Vertical)
Night Vision Range	Up to 15 meters (Color Night Vision)
Storage	Micro SD Card (Max 128GB, not included), Cloud Storage
Power Supply	DC 5V 1A (Electric Cable)
Water Resistance	IP66
Operating Temperature	-10 °C to +55 °C (14°F to 131°F)
Operating Humidity	10% to 90% RH
Dimensions (L x W x H)	12.5 x 11.7 x 8.6 cm
Weight	520 grams
Zoom Ratio	4x Digital Zoom

Feature	Specification
Sensor Technology	CMOS
Control Method	Application (Topcony Cam)

8. Warranty and Support

For warranty information and technical support, please refer to the official Topcony website or contact their customer service directly. The user manual included in the box may contain specific warranty details for your region.
For further assistance, you may visit the Topcony Brand Store.

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

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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