Topcony TY30

Topcony TY30 2K Wi-Fi PTZ Outdoor/Indoor Security Camera User Manual

Model: TY30 | Brand: Topcony

1. Introduction

Thank you for choosing the Topcony TY30 2K Wi-Fi PTZ Outdoor/Indoor Security Camera. This manual provides detailed instructions for the installation, operation, and maintenance of your security camera. Please read this manual carefully before use and keep it for future reference.

2. Product Overview

2.1 Key Features

- **2K 3MP Color Night Vision & Privacy Protection:** Offers three night vision modes (color/infrared/smart) with 3 infrared LEDs and 3 white LED lights. Features 355° horizontal rotation and 120° vertical rotation, with a 15m night vision range. Includes a lens switch button for privacy.
- **AI/PIR Detection & Smart Tracking & Sound and Light Alarm:** Advanced algorithms and a PIR sensor accurately identify human movement, reducing false positives by 96%. Sends real-time notifications and automatically tracks movement with 360° rotation. Activates a white light flash and siren to deter intruders.
- **Two-Way Audio & Multi-User Sharing:** Built-in microphone and speaker for real-time communication. Supports contactless delivery conversations and sharing camera access with multiple family members via the application.
- **2.4GHz Wi-Fi & Enhanced Dual Antennas & IP66 Waterproof:** Features two enhanced 4dBi antennas for stable 2.4GHz Wi-Fi connection and good signal penetration. IP66 waterproof certified for outdoor use in various weather conditions. Includes a 3-meter power cable.
- **Smart Home Assistant & SD/Cloud Storage:** Compatible with Amazon Alexa. Supports local storage on an SD card (up to 128 GB, not included) and cloud storage (lifetime free for basic version). Offers 24/7 continuous recording and 4x speed playback for quick review.

2.2 What's in the Box

- 1 x Topcony TY30 PTZ Camera
- 1 x Power Adapter (3 meters long)
- 1 x Installation Sticker
- 1 x User Manual
- 2 x Screw Caps
- 2 x Screws

3. Setup

3.1 Physical Installation

The camera can be mounted on a wall or ceiling. Use the provided installation sticker to mark drill points. Ensure the mounting location provides a stable surface and good Wi-Fi signal strength.



Image: Installation steps for the Topcony TY30 camera, showing a hand screwing the camera into a wall mount and a QR code for app download.

Steps:

1. Choose a suitable location for installation, ensuring it is within range of your 2.4GHz Wi-Fi network.
2. Use the installation sticker to mark the screw positions on the wall or ceiling.
3. Drill holes and insert the screw caps.
4. Align the camera's mounting holes with the drilled holes and secure it with the provided screws.
5. Connect the 3-meter power adapter to the camera and a power outlet.

Video: Demonstrates the physical installation process of the Topcony TY30 camera, including mounting and securing the device.

3.2 App Download and Connection

The Topcony TY30 camera operates with the "Topcony Cam" application. Ensure your smartphone is connected to a 2.4GHz Wi-Fi network.

Image: Screenshot showing app download options for Topcony Cam from App Store and Google Play, with QR code and account login options.

Steps:

1. Download the "Topcony Cam" app from the App Store (iOS) or Google Play Store (Android). You can also scan the QR code provided in the installation image or on the product packaging.
2. Plug in the camera to power. Wait for the camera to initialize.
3. Press and hold the reset button on the camera for 5 seconds until you hear a prompt indicating it's ready for connection.
4. Open the "Topcony Cam" app, create an account or log in.
5. Click "Add Device" and select "Power Plug Camera - Smart Camera (2.4G Wi-Fi)".
6. Follow the on-screen instructions, ensuring your phone is connected to a 2.4GHz Wi-Fi network and inputting the correct Wi-Fi password.
7. Scan the QR code displayed on your phone screen with the camera lens. Hold the phone 5-8 inches away from the camera. You will hear a tone when successfully scanned.
8. Wait for the camera to connect. The app will display "Add Successful" upon completion.

Video: Guide on how to add the Topcony TY30 camera to the "Topcony Cam" app, including power-up, reset, app navigation, and QR code scanning.

4. Operating Instructions

4.1 Pan-Tilt-Zoom (PTZ) Control

The camera offers 355° horizontal pan and 120° vertical tilt, along with 4X digital zoom, allowing comprehensive coverage and elimination of blind spots. Control these functions directly from the "Topcony Cam" app.



Image: Topcony TY30 camera mounted on a wall, showing 355 degree pan and 120 degree tilt capabilities, with phone screens demonstrating remote control and 4x digital zoom.

Video: Demonstrates the 360° PTZ control of the Topcony TY30 camera via the mobile app, showing horizontal and vertical movement.

4.2 Night Vision Modes

The camera supports three night vision modes:

- **Infrared Night Vision:** Provides clear black and white images in low-light conditions.
- **Full Color Night Vision:** Utilizes white LED lights to provide full-color images at night.
- **Intelligent Night Vision:** Automatically switches to color image when motion is detected, combining the benefits of both modes.



Image: Topcony TY30 camera on a wall at night, illustrating Infrared Night Vision, Full Color Night Vision, and Intelligent Night Vision modes with different scene examples.

Video: Shows the intelligent night vision feature of the Topcony TY30 camera, automatically switching to color when motion is detected.

4.3 Motion Detection and Tracking

The camera uses AI and PIR sensors for accurate human and motion detection. When motion is detected, the camera can automatically track the moving object horizontally.

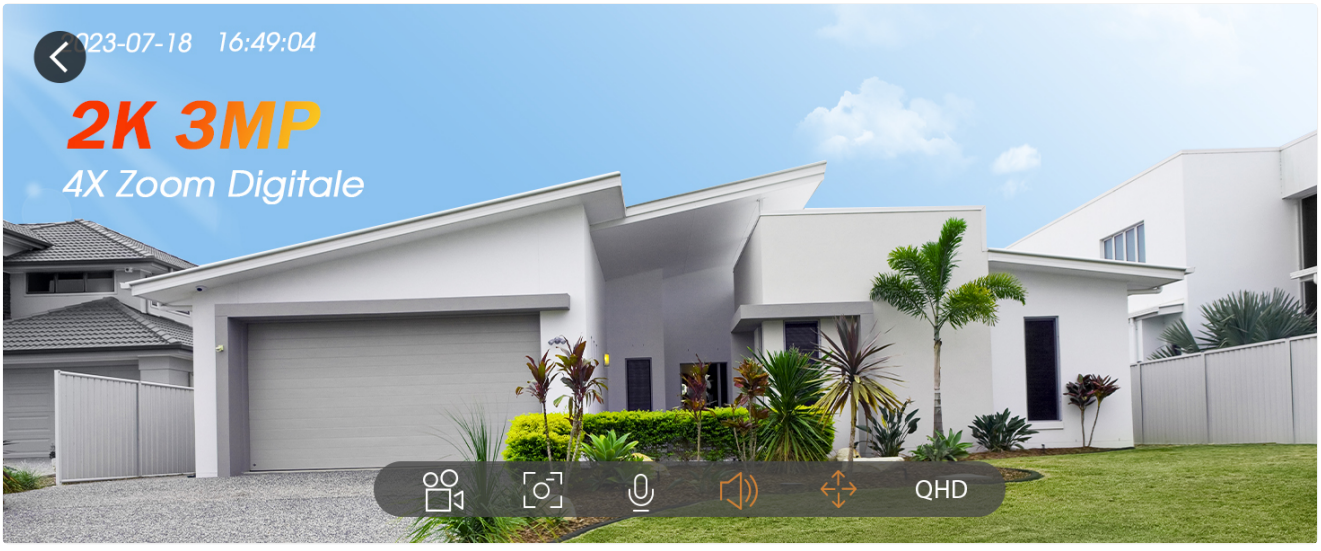


Image: Illustration of AI human detection and motion tracking, showing the camera tracking a person while ignoring a dog, and sending instant notifications.



Image: A family playing in a garden, with the Topcony TY30 camera automatically tracking their horizontal movement to ensure continuous monitoring.

You can customize up to 5 detection zones and adjust sensitivity (Low, Medium, High) to minimize false alarms.



Image: An overhead view of a house and driveway, illustrating how to customize motion detection zones (Zone 1, Zone 2, Zone 3) and adjust sensitivity levels.

4.4 Alarm Functions

Upon detection of suspicious activity, the camera can trigger a sound and light alarm to deter intruders. You will also receive push notifications on your smartphone.



Image: A thief attempting to break into a garage, with the Topcony TY30 camera activating sound and light alarms, and sending push notifications to the user's app.



Image: A person walking away from a house at night, with an on-screen message from the Topcony TY30 camera stating 'You are being recorded, please leave immediately'.

4.5 Two-Way Audio

Use the intercom function in the app to speak through the camera's speaker and listen through its microphone. This allows for real-time communication with visitors or to deter unwanted guests.

Video: Demonstrates the two-way audio and sound/light alarm features of the Topcony TY30 camera, showing interaction with a person at the door.

4.6 Storage Options

The camera supports both local SD card storage (up to 128GB, not included) and cloud storage. Continuous 24/7 recording is available, or event-based recording when motion is detected. Cloud storage offers 4x speed playback.



Image: Illustration of encrypted storage options for the Topcony TY30 camera, including SD card storage (up to 128GB) and premium/basic cloud service options.



Image: The Topcony TY30 camera illustrating 24/7 continuous recording and support for accelerated/slow playback, with a clock graphic showing various monitored scenes.



Image: Topcony TY30 camera showing event recording options (1, 2, or 3 minutes) and continuous 24/7 recording durations based on SD card size (32GB, 64GB, 128GB).

4.7 Privacy Protection

You can manually disable monitoring and real-time recording by switching off the lens. Additionally, you can set specific privacy schedules for the camera to automatically turn off during designated periods.



Image: A house with the Topcony TY30 camera installed, showing privacy protection features like manual lens control and setting specific closure times via the app.



Image: People relaxing by a pool, with the Topcony TY30 camera's lens turned OFF for privacy, and phone screenshots showing privacy settings and scheduling options.

4.8 Smart Home Integration (Alexa)

The Topcony TY30 camera is compatible with Amazon Alexa. You can integrate it into your smart home system for voice control and live viewing on compatible devices.

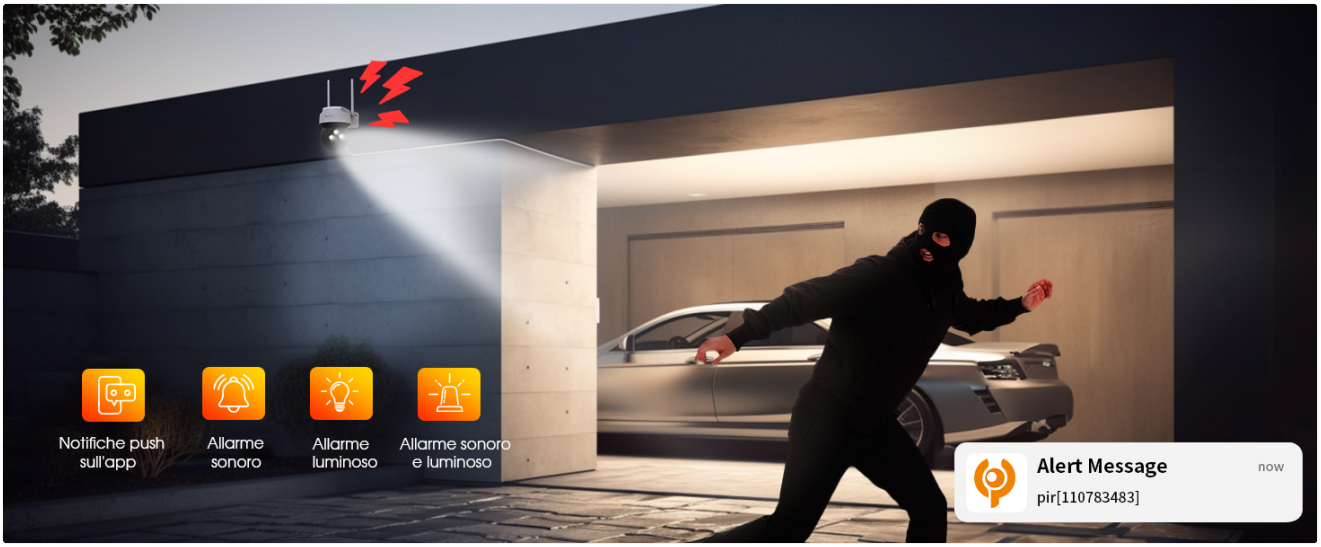


Image: A woman in a kitchen interacting with an Alexa device, which displays a live feed from the Topcony TY30 camera, demonstrating Alexa compatibility.

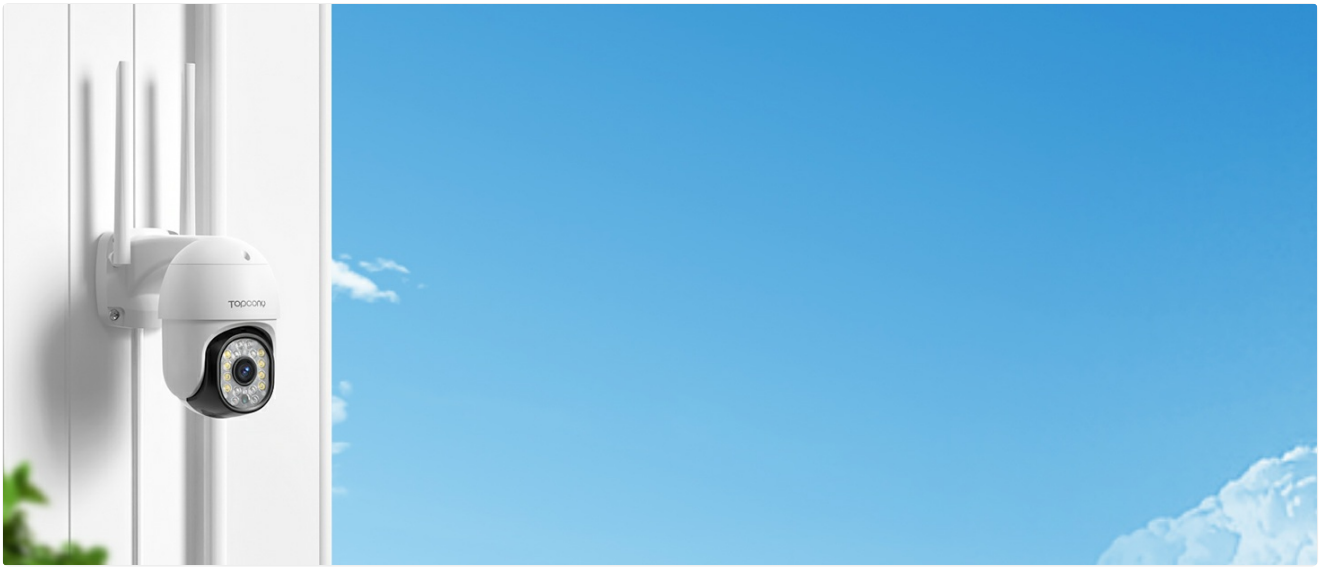


Image: A person viewing a live feed from the Topcony TY30 camera on an Alexa-enabled smart display, with a notification on a smartwatch, illustrating smart home integration.

5. Maintenance

- **Cleaning:** Regularly clean 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 up-to-date ensures optimal performance and security.
- **Power Supply:** Ensure the power cable and adapter are free from damage. Do not expose the power adapter to water.
- **Environmental Conditions:** While the camera is IP66 waterproof, avoid prolonged exposure to extreme weather conditions if possible to extend its lifespan.

6. Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Camera offline	Weak Wi-Fi signal, power disconnected, incorrect Wi-Fi password.	Check Wi-Fi signal strength in the app. Ensure power is connected. Re-enter Wi-Fi password or reset the camera and reconnect.
Cannot connect to app	Incorrect Wi-Fi, camera not in pairing mode, QR code not scanned correctly.	Ensure 2.4GHz Wi-Fi. Press reset button for 5s. Hold QR code 5-8 inches from lens.
Poor image quality	Dirty lens, low light, network bandwidth issues.	Clean the lens. Ensure adequate lighting or use night vision. Check network connection.
False motion alerts	High sensitivity, unoptimized detection zones.	Adjust motion detection sensitivity and customize detection zones in the app.
SD card not recording	SD card full, faulty, or not inserted correctly.	Check SD card insertion. Format the SD card in the app. Replace if faulty.

7. Specifications

Feature	Detail
Model	TY30
Brand	Topcony
Video Resolution	2K (3MP, 1296p)
Pan/Tilt Angle	355° Pan, 120° Tilt
Digital Zoom	4X
Night Vision Range	Up to 15 meters
Night Vision Modes	Infrared, Full Color, Intelligent
Connectivity	2.4GHz Wi-Fi (Wired power)
Waterproof Rating	IP66
Storage	Micro SD Card (up to 128GB, not included), Cloud Storage
Audio	Two-Way Audio
Smart Home Integration	Amazon Alexa
Power Input	5V, 4W

Feature	Detail
Dimensions (LxWxH)	12.5 x 11.7 x 8.6 cm
Weight	520 g
Material	Plastic
Operating Temperature	-10°C to +50°C (+14°F to +122°F)

8. Warranty & Support

Topcony offers after-sales support within 24 working hours. For warranty information, technical assistance, or any inquiries, please refer to the contact details provided with your product packaging or visit the official Topcony website.

Online Resources:

- Topcony Brand Store: Visit Topcony Store
- App Download Link: Download Topcony Cam App