

CQH TY600S

CQH 6MP TUYA Outdoor Security Camera User Manual

Model: TY600S

1. INTRODUCTION

Thank you for choosing the CQH 6MP TUYA Outdoor Security Camera, Model TY600S. This manual provides detailed instructions for the installation, operation, and maintenance of your security camera. Please read this manual thoroughly before use and retain it for future reference.

Package Contents

- CQH 6MP TUYA Outdoor Security Camera (Model TY600S)
- Power Adapter
- USB Power Cord
- Screw Accessories Package
- User Manual

2. PRODUCT OVERVIEW

The CQH TY600S is a 6MP outdoor security camera featuring 360° pan-tilt functionality, dual-band Wi-Fi connectivity (2.4G/5G), color night vision, two-way audio, and smart motion detection with auto-tracking. It is designed for continuous 24/7 recording and is IP65 rated for outdoor use.

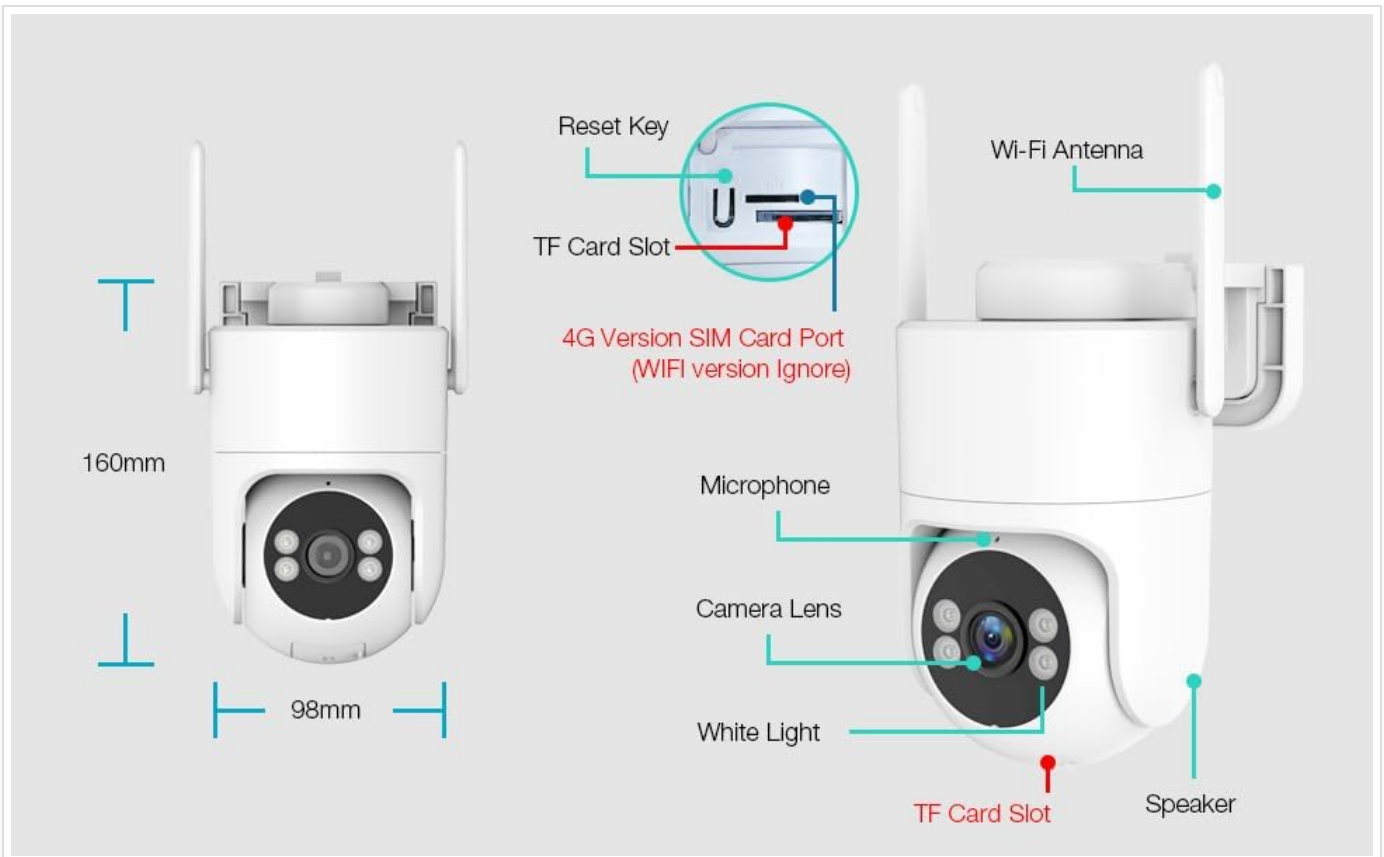


Figure 2.1: Camera Component Diagram

This image displays the various components of the CQH TY600S camera, including the Reset Key, TF Card Slot, Wi-Fi Antenna, Microphone, Camera Lens, White Light, and Speaker. Dimensions are also indicated.

Key Features

- **6MP HD Resolution:** Captures clear video at 3072×1728 resolution.
- **Pan-Tilt 360° View:** Offers 355° horizontal and 90° vertical rotation for comprehensive coverage.
- **Dual-band Wi-Fi:** Supports both 2.4GHz and 5GHz Wi-Fi networks for stable connection.
- **Color Night Vision:** Provides clear, full-color video in low-light conditions up to 65 ft using 4 infrared lights.
- **Two-Way Audio:** Built-in microphone and speaker allow for remote communication.
- **Motion Detection & Auto Tracking:** Detects movement, tracks objects, and sends real-time alerts.
- **Smart Alerts:** Configurable sound and light alarms upon motion detection.
- **Flexible Storage:** Supports local Micro SD card (up to 128GB, not included) and cloud storage options.
- **IP65 Weatherproof:** Designed to withstand dust, rain, and snow for outdoor installation.
- **Multi-user Sharing:** Allows sharing camera access with family members via the app.

3. SETUP GUIDE

3.1 Powering On the Camera

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



6MP FHD

360°PTZ Wireless Security Camera

The outdoor camera wireless can rotate 355° horizontally and 120° vertically. Equipped with 2 white+2 infrared lights, 6MP FHD resolution. Supports 2.4/5G wireless network



Wired Power

Figure 3.1: Wired Power Connection

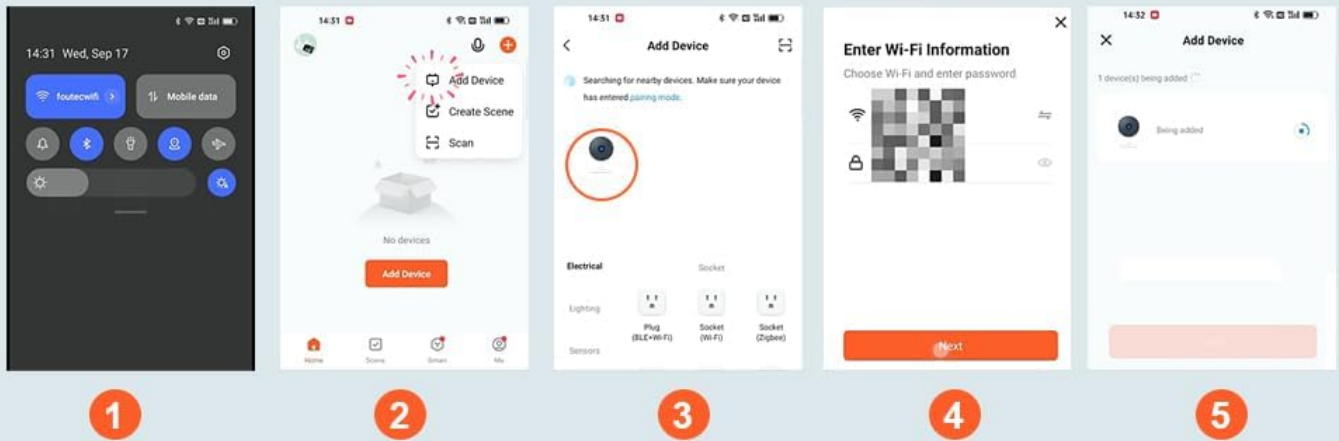
This image illustrates the CQH 6MP FHD PTZ Wireless Security Camera and highlights its requirement for a wired power connection.

3.2 App Installation and Device Connection

The camera operates with the "Tuya" mobile application. Follow these steps to install the app and connect your camera:

1. Download the "Tuya" app from your smartphone's app store (App Store for iOS or Google Play Store for Android).
2. Register or log in to your Tuya account.
3. Ensure your phone's Wi-Fi and Bluetooth are turned on.
4. Open the Tuya app and tap "Add Device".
5. The app will search for nearby devices. Wait for the camera icon to appear.
6. Confirm your Wi-Fi network details (2.4GHz or 5GHz) and enter the password.
7. Wait for the device to connect.

Device APP Installation Steps (Bluetooth Connection)



1. Turn on phone's Wi-Fi and Bluetooth.

2. Click the app and tap "Add Device".

3. Wait for the device icon to appear.

4. Confirm Wi-Fi details.

5. Wait for the device to connect.

If unable to connect, hold the reset button for 5 seconds while powered on to restore factory settings. Repeat if necessary.

Figure 3.2: Tuya App Device Installation Steps

This image provides a visual guide for connecting the camera to the Tuya app via Bluetooth, showing the sequence of steps from turning on Wi-Fi/Bluetooth to confirming Wi-Fi details and connecting the device.

Troubleshooting Connection: If unable to connect, hold the reset button on the camera for 5 seconds while powered on to restore factory settings. Repeat the connection process if necessary.

3.3 Mounting the Camera

The camera can be mounted on a ceiling, table, or crib. Use the provided screw accessories for secure installation. Ensure the mounting location provides a clear view and is within Wi-Fi range.

4. OPERATING INSTRUCTIONS

4.1 Live View and Pan-Tilt Control

Once connected, open the Tuya app to access the live video feed. You can control the camera's movement directly from the app.

- **Pan:** Swipe horizontally on the live view screen to rotate the camera 355°.
- **Tilt:** Swipe vertically on the live view screen to adjust the camera 90°.

Pan 355' Tilt 90' by Phone APP or NVR



Figure 4.1: Pan-Tilt Control

This image demonstrates the camera's 355° pan and 90° tilt capabilities, controlled remotely through the mobile application, showing the wide field of view.

4.2 Night Vision Modes

The camera offers both infrared and full-color night vision modes, which can be configured in the Tuya app settings.

- **Infrared Mode:** Provides black and white video in complete darkness.
- **Full-Color Mode:** Utilizes the camera's white lights to provide color video in low-light conditions.



Figure 4.2: Night Vision Comparison

This image visually compares the output of infrared night vision (monochrome) and color night vision (full color) modes, highlighting the camera's capability to provide clear visibility in darkness.

4.3 Two-Way Audio

Use the two-way audio feature to communicate with individuals near the camera.

1. In the live view, tap the microphone icon to speak through the camera's speaker.
2. The camera's built-in microphone will capture audio from the environment.

4.4 Motion Detection and Smart Alerts

The camera can detect motion and track moving objects, sending alerts to your smartphone.

- **Enable Motion Detection:** Activate this feature in the Tuya app settings.
- **Auto Tracking:** The camera will automatically follow detected movement.
- **Alerts:** Receive real-time notifications on your phone.

- **Sound and Light Alarm:** Configure the camera to emit a sound and flash its lights when motion is detected.

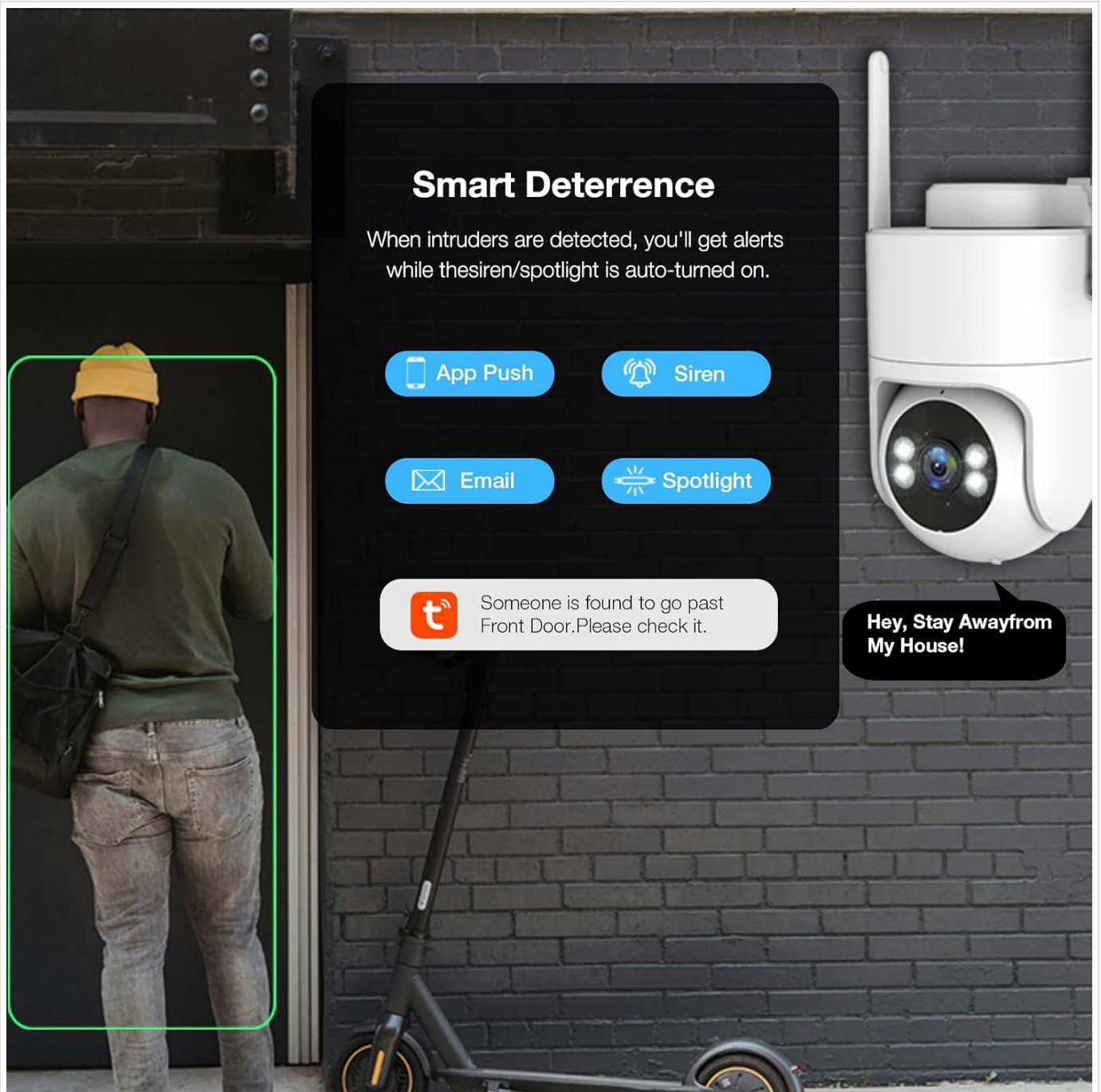


Figure 4.3: Smart Deterrence Features

This image illustrates the camera's smart deterrence capabilities, including app push notifications, siren activation, email alerts, and spotlight illumination when intruders are detected.

4.5 Recording and Storage

The camera supports continuous 24/7 recording and offers two storage options:

- **Micro SD Card:** Insert a Micro SD card (up to 128GB, not included) into the TF Card Slot for local storage.
- **Cloud Storage:** Subscribe to cloud storage services via the Tuya app for remote backup and access.

24/7 Loop Recording

Smart motion and time recording will pickup important moments to share with your friends and family



Up to 128GB
Micro SD Card



Cloud storage



Figure 4.4: Recording and Storage Options

This image highlights the camera's 24/7 loop recording capability and the available storage options: Micro SD card (up to 128GB) and cloud storage, with a visual representation of the app's timeline view.

4.6 Multi-User Sharing

You can share access to your camera with family members or trusted individuals through the Tuya app. This allows multiple users to view the live feed and receive alerts.

5. MAINTENANCE

5.1 Cleaning

- Regularly wipe the camera lens with a soft, dry cloth to ensure clear image quality.
- Clean the camera body with a damp cloth if necessary. Avoid using harsh chemicals or abrasive cleaners.

5.2 Resetting the Device

If you experience persistent connection issues or wish to reconfigure the camera, you can perform a factory reset:

1. Ensure the camera is powered on.
2. Locate the reset button (refer to Figure 2.1).
3. Press and hold the reset button for approximately 5 seconds until you hear a prompt or see an indicator light change.
4. The camera will restart with factory default settings. You will need to re-add it to the Tuya app.

6. TROUBLESHOOTING

- **Camera not connecting to Wi-Fi:**
Ensure your Wi-Fi network is 2.4GHz or 5GHz. Verify the Wi-Fi password. Move the camera closer to the router. Perform a factory reset and try connecting again.
- **No image or poor image quality:**
Check power connection. Ensure the lens is clean. Verify network stability. Adjust camera position for optimal lighting.
- **Motion detection not working:**
Ensure motion detection is enabled in the Tuya app settings. Adjust sensitivity levels. Check the detection zone settings.
- **Two-way audio issues:**
Check volume settings in the app. Ensure microphone and speaker are not obstructed. Verify network connection.
- **SD card not recording:**
Ensure the SD card is inserted correctly. Check if the SD card is formatted (via app settings). Verify the SD card is not full or corrupted.

7. SPECIFICATIONS

Feature	Specification
Model Name	TY600S
Video Resolution	6MP (3072×1728)
Pan/Tilt Range	Pan 355°, Tilt 90°
Connectivity	2.4GHz/5GHz Wi-Fi
Night Vision	Color Night Vision, Infrared (up to 65 ft)
Audio	Two-Way Audio
Storage Options	Micro SD Card (up to 128GB), Cloud Storage
Weather Resistance	IP65
Power Source	Corded Electric
Compatible Devices	Smartphone (Tuya App)
Controller Type	Amazon Alexa
Dimensions (L x W x H)	4.3 x 5.5 x 6.1 inches

Item Weight	1.63 pounds
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8. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official CQH website or contact customer service through your purchase platform. Keep your purchase receipt as proof of purchase.

You can also visit the [CQH Brand Store](#) for additional product information and support resources.

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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