

Tapo Tapo C425 KIT

Tapo C425 KIT Solar-Powered Security Camera User Manual

Model: Tapo C425 KIT

INTRODUCTION

This user manual provides comprehensive instructions for the installation, operation, and maintenance of your Tapo C425 KIT Solar-Powered Security Camera. Please read this manual carefully before using the product to ensure proper functionality and safety.

The Tapo C425 KIT is a wireless outdoor security camera designed for reliable surveillance. It features 2K QHD resolution, color night vision, AI detection for people, pets, and vehicles, two-way audio, and robust IP66 weather resistance. Powered by a long-lasting 10000mAh battery and a solar panel, it offers continuous operation with minimal intervention.



Figure 1: Tapo C425 Camera and Solar Panel Kit

This image displays the main components of the Tapo C425 KIT: the white cylindrical camera unit with its lens and sensors, and the black solar panel designed to provide continuous power.

SAFETY INFORMATION

Always adhere to the following safety guidelines to prevent damage to the device or injury to yourself and others:

- Do not attempt to disassemble, repair, or modify the device.
- Ensure the camera and solar panel are securely mounted to prevent falling.
- Avoid placing the camera in direct sunlight for prolonged periods without the solar panel connected, as this may cause overheating.
- Keep the device away from extreme temperatures, humidity, and water, unless specifically designed for such conditions (IP66 rating indicates resistance to dust and water jets, not submersion).
- Use only the power adapter and cables provided or recommended by the manufacturer.
- Dispose of batteries according to local regulations. Do not incinerate.

PACKAGE CONTENTS

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

customer support.

- Tapo C425 Camera × 1
- Tapo A201 Solar Panel × 1
- Camera Bracket × 1
- Extension Cable × 1
- Decorative Cover Plate × 1
- Mounting Template × 1
- Type C to Micro USB Adapter × 1
- Mounting Anchor × 6
- Mounting Screws × 6
- Waterproof Gaskets × 2
- Charger Cable × 1
- Cable Band × 1
- Screw Plugs × 2
- Quick Guide × 1



Figure 2: Tapo C425 KIT Product Packaging

This image shows the retail box for the Tapo C425 KIT, indicating the contents and key features such as 2K QHD resolution and continuous solar charging.

SETUP

1. Charging the Camera

Before initial use, fully charge the camera's built-in 10000mAh battery using the provided charger cable. Connect the charger cable to the camera's charging port and a suitable USB power adapter (not included, but a charger cable is). The indicator light will show charging status.

2. Installing the Tapo App

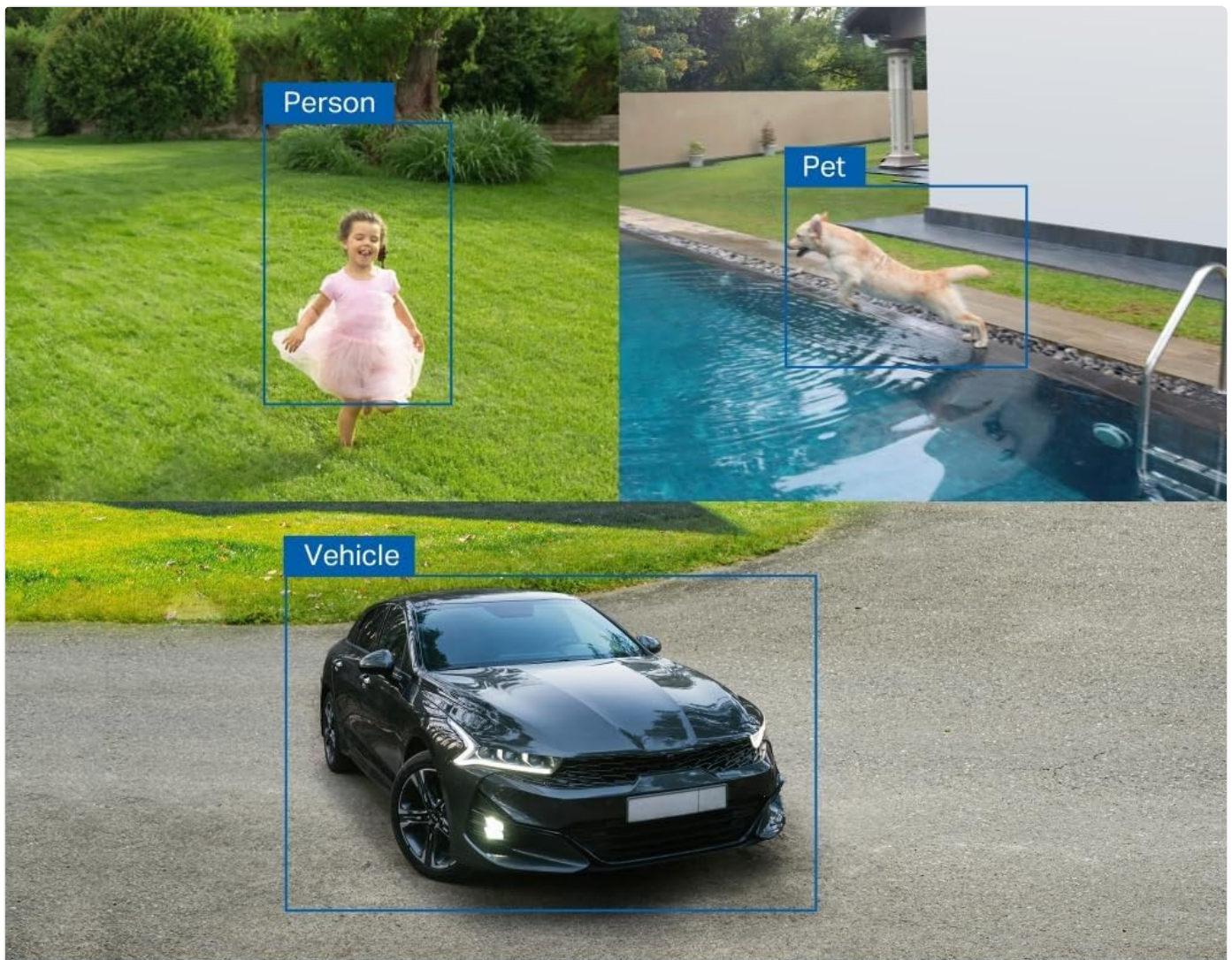
Download the Tapo app from the App Store (iOS) or Google Play Store (Android). Create a Tapo account or log in if you already have one.

3. Adding the Camera to the App

1. Open the Tapo app and tap the "+" icon to add a new device.
2. Select your Tapo C425 KIT from the list of devices.
3. Follow the on-screen instructions to connect the camera to your 2.4 GHz Wi-Fi network.
4. Ensure your Wi-Fi signal is strong at the intended installation location.

4. Mounting the Camera and Solar Panel

The Tapo C425 KIT is designed for outdoor security. Choose a location that provides optimal sunlight exposure for the solar panel and a clear view for the camera. The camera offers a 150-degree viewing angle.



Multiple AI Detection, All for Free

Smart AI identifies people, pets, and vehicles while only sending you alerts when truly needed.

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Figure 3: Flexible Installation

This image illustrates the wireless nature of the Tapo C425 camera, showing it mounted on a wall without visible power cables, highlighting its flexible placement options.

1. Use the provided mounting template to mark drill holes on the wall.
2. Drill holes and insert the mounting anchors.
3. Attach the camera bracket using the mounting screws.
4. Mount the camera onto the bracket. The magnetic mount allows for easy adjustment and removal for charging if needed.
5. Mount the solar panel in a location that receives at least 45 minutes of direct sunlight daily to ensure continuous power. Connect the solar panel to the camera using the extension cable and waterproof gaskets.



2K QHD Live View

Say goodbye to blurry images and hello to crystal-clear details.

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Figure 4: Solar Panel Connection

This image shows the Tapo C425 camera connected to its solar panel, illustrating how the solar panel provides continuous power to the camera, reducing the need for manual recharging.

Live View and Recording

Access the live feed of your camera through the Tapo app. The camera provides 2K QHD resolution for clear images. You can manually record video or take snapshots from the live view.



Figure 5: 2K QHD Live View Quality

This image demonstrates the clarity of the 2K QHD live view, showing a child and a dog in a garden, emphasizing the detailed image quality.

Motion Detection and AI Features

The Tapo C425 KIT features advanced AI detection capabilities. It can accurately identify people, pets, and vehicles, sending you relevant notifications and reducing false alarms. You can customize detection zones and sensitivity settings within the Tapo app.



Color Night Vision

Offers full-color images at night with built-in spotlights and a starlight sensor.

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Figure 6: AI Detection Capabilities

This image illustrates the camera's AI detection feature, highlighting how it identifies and categorizes objects such as a person, a pet, and a vehicle within the camera's field of view.

Two-Way Audio

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

Color Night Vision

The camera is equipped with built-in spotlights and a starlight sensor, enabling full-color night vision for enhanced security and clearer details in low-light conditions.



Secure Local & Cloud Storage

Save all your important moments to a microSD card or subscribe to Tapo Care cloud service.

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Figure 7: Color Night Vision in Action

This image demonstrates the camera's color night vision capability, showing a car parked at night with clear, vivid details, thanks to the integrated spotlights and starlight sensor.

Local and Cloud Storage

Recordings can be stored locally on a microSD card (up to 512 GB, not included) inserted into the camera. For cloud storage options and additional features, consider subscribing to Tapo Care after the free trial period.



Figure 8: MicroSD Card Slot

This image highlights the microSD card slot on the Tapo C425 camera, indicating its support for local storage of recorded footage.

MAINTENANCE

Cleaning the Camera and Solar Panel

Regularly clean the camera lens and solar panel surface with a soft, damp cloth to ensure optimal performance. Avoid using harsh chemicals or abrasive materials.



45 min
of direct sunlight powers the Tapo C425 camera for a full day¹, eliminating battery concerns with flexible installation.

Non-Stop Power Supply
Ensures a lifetime of use without dealing with batteries, wiring, or recharging.

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Figure 9: IP66 Weather Resistance

This image showcases the Tapo C425 camera's IP66 weatherproof rating, depicting it operating reliably in various outdoor conditions, including rain, snow, and bright sunlight.

Battery Management

The 10000mAh battery provides up to 300 days of performance on a single charge, supplemented by the solar panel. Monitor battery levels via the Tapo app. If the solar panel cannot maintain charge due to insufficient sunlight, you may need to manually recharge the camera using the provided charger cable.

Firmware Updates

Keep your camera's firmware updated through the Tapo app to ensure the latest features, security enhancements, and bug fixes. The app will notify you when updates are available.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera offline	Weak Wi-Fi signal, power issue, or network interference.	Check Wi-Fi signal strength at camera location. Restart camera and router. Ensure camera battery is charged.
Poor video quality	Dirty lens, low light, or network bandwidth issues.	Clean the camera lens. Ensure adequate lighting for optimal color night vision. Check network speed.
Solar panel not charging	Insufficient direct sunlight, dirty panel, or connection issue.	Relocate solar panel to receive more direct sunlight. Clean the panel surface. Ensure secure connection between panel and camera.
False motion alerts	High sensitivity, environmental factors (e.g., moving branches, shadows).	Adjust motion detection sensitivity in the Tapo app. Define specific activity zones to exclude irrelevant areas.

SPECIFICATIONS

Feature	Detail
Model	Tapo C425 KIT
Video Resolution	2K QHD (4MP)
Field of View	150 degrees
Night Vision Range	Up to 9 meters (Color Night Vision)
Connectivity	Wi-Fi (2.4 GHz)
Power Source	10000mAh Lithium-ion Battery, Solar Panel
Weather Resistance	IP66 (Waterproof)
Storage Options	MicroSD card (up to 512 GB), Cloud Storage (Tapo Care subscription)
Special Features	AI Detection (Person, Pet, Vehicle), Two-Way Audio, Built-in Siren, Sound-triggered Recording, Built-in Indicator Light, Tamper Detection
Dimensions (L x W x H)	6.48 x 6.48 x 12.64 cm
Weight	480 grams

WARRANTY AND SUPPORT

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

Online Support: www.tapo.com/support/

