

Tapo Tapo C402 KIT

Tapo SolarCam C402 Kit User Manual

Outdoor Battery Camera with Solar Panel Base

1. INTRODUCTION

The Tapo SolarCam C402 Kit is a versatile, solar-powered wireless outdoor camera system designed to enhance your home security. This manual provides detailed instructions for setting up, operating, and maintaining your SolarCam C402 Kit to ensure optimal performance and longevity.

Key features include continuous solar power, 1080P Live View, Color Night Vision, free Person/Vehicle Detection, and flexible storage options via microSD card or Tapo Care cloud service. The system is designed for wire-free installation, offering flexibility in placement.

2. WHAT'S IN THE BOX

Verify that all components are present in your package:

- Tapo C402 Camera ×1
- Tapo A201 Solar Panel ×1
- Tapo A201 Solar Panel Bracket ×1
- USB Adapter Cable ×1
- Base Cover ×1
- Extension Wire ×1
- Mounting Screws ×6
- Mounting Anchors ×6
- Waterproof Seals ×4
- Screw Caps ×2
- Cable Zip Tie ×1
- Mounting Templates ×2
- Quick Start Guide ×1

3. SETUP AND INSTALLATION

3.1 Physical Installation

The Tapo SolarCam C402 Kit offers flexible, wire-free installation. The camera and solar panel can be installed as a unified unit or separately using the 13 ft extension cable for optimal solar exposure.



The Tapo SolarCam C402 Kit, showing the camera and solar panel connected.



See What You Want, Where You Want

Front, side, back - wherever you need the camera, it can be mounted. With its extra-long 13ft. cable, the solar panel can be separated for optimal placement.

The camera and solar panel can be separated for flexible mounting, allowing the solar panel to be placed in direct sunlight.

1. **Choose a Location:** Select a location that provides the desired viewing angle and ensures the solar panel receives adequate direct sunlight throughout the day. The camera is waterproof (IP65 rated) and can withstand various weather conditions.
2. **Mount the Bracket:** Use the mounting templates to mark drill holes. Secure the solar panel bracket and camera bracket (if separated) to the wall using the provided mounting screws and anchors.

3. **Attach the Camera and Solar Panel:** Securely attach the camera to its bracket. Connect the solar panel to the camera using the USB adapter cable and extension wire if needed. Ensure waterproof seals are properly used for all connections.
4. **Adjust Angle:** Adjust the camera and solar panel angles for optimal coverage and sunlight exposure.

3.2 App Setup

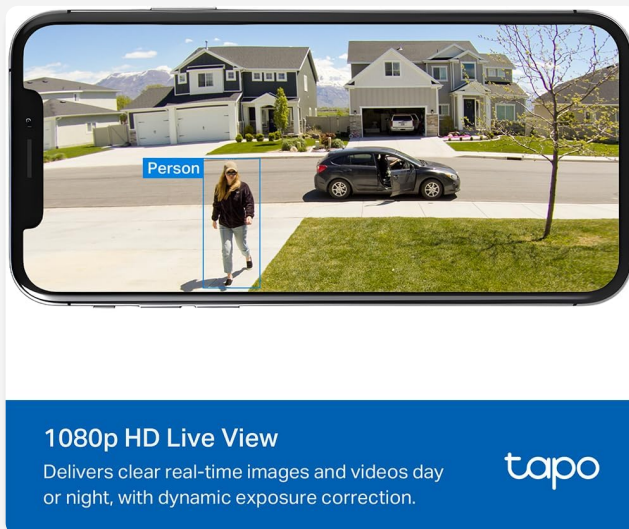
The Tapo C402 KIT is controlled via the Tapo APP, compatible with smartphones and tablets.

1. **Download the Tapo App:** Search for "Tapo" in your device's app store (Google Play Store or Apple App Store) and download the official Tapo app.
2. **Create an Account:** Open the Tapo app and follow the on-screen instructions to create a new Tapo account or log in with an existing one.
3. **Add Your Camera:** Tap the "+" icon in the app to add a new device. Select your Tapo C402 KIT from the list and follow the app's instructions to connect it to your Wi-Fi network.
4. **Complete Setup:** Once connected, you can name your camera, set up privacy zones, and configure other settings within the app.

4. OPERATING YOUR TAPO SOLARCAM C402 KIT

4.1 Live View and Recording

Access real-time video streams and review recorded footage directly from the Tapo app.



View clear 1080p HD live footage on your smartphone, day or night.

180 Days



No Sun? No Problem

The built-in long-lasting rechargeable battery can keep Tapo SolarCam operating up to 180 days on a single charge.*

*180-day battery life is based on Tapo laboratory tests with 250s of use per day. The time of use includes recording and watching live views. Actual battery life may vary due to device settings, usage, router specifications, and environmental factors.

Utilize the two-way audio feature to communicate through the camera.

- **1080P Live View:** Tap on your camera in the app to view a live feed in 1080p resolution.
- **Color Night Vision:** The camera provides full-color video even in low-light conditions, up to 30 feet, thanks to its large aperture lens and built-in spotlights.
- **Recording:** The camera records clips when activity is detected. You can review these clips in the playback section of the app.

4.2 Detection and Alerts

The Tapo SolarCam C402 features free Person/Vehicle Detection to minimize false alarms and provide relevant alerts.

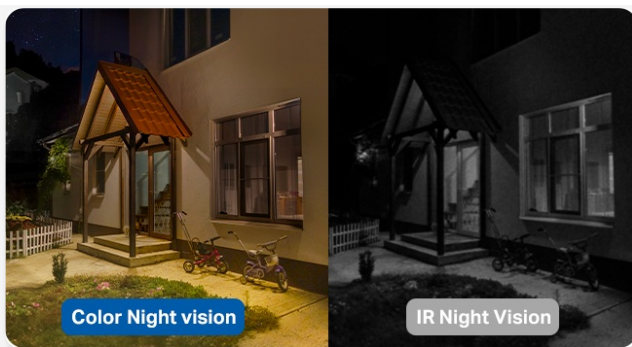


No Subscription Needed

Supports microSD cards up to 512 GB or subscribe to Tapo Care cloud storage. Enjoy free premium app features like advanced AI detection.

*Does not support continuous recording. This camera will only record clips when activity or motion is detected.

The camera's AI accurately identifies people and vehicles, reducing false alarms.



Set custom activity zones to focus detection on specific areas.

- **Person/Vehicle Detection:** The camera intelligently distinguishes between people, vehicles, and other movements, sending alerts only for relevant events.
- **Activity Zones:** Define specific areas within the camera's view where you want to detect motion. This helps to eliminate notifications from irrelevant areas.
- **Instant Alerts:** Receive real-time notifications on your smartphone when motion, person, or vehicle detection is triggered.

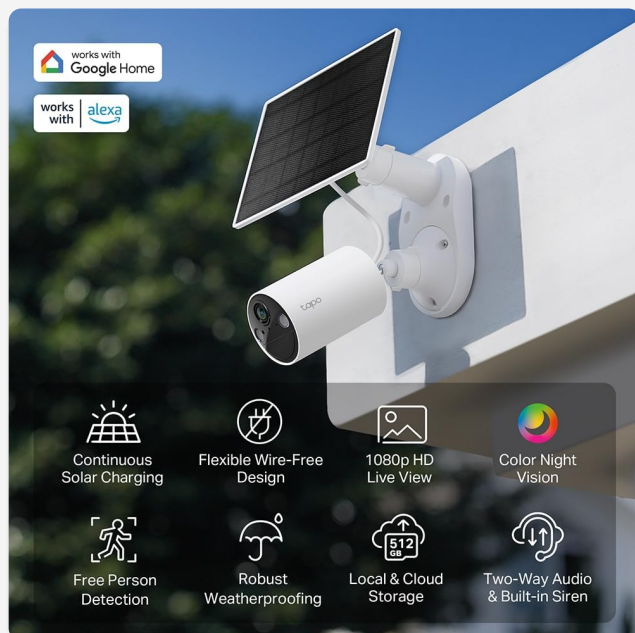
4.3 Two-Way Audio

Communicate with visitors or deter unwanted guests using the built-in microphone and speaker.

- **Activate Two-Way Audio:** In the live view screen of the Tapo app, tap the microphone icon to speak through the camera.
- **Listen:** The camera's microphone picks up audio from its surroundings, which you can hear through the app.

4.4 Storage Options

The Tapo SolarCam C402 offers flexible storage solutions for your video recordings.



Insert a microSD card for local storage of recordings.



Tapo Care offers cloud storage and additional features (subscription required).

- **MicroSD Card Storage:** The camera supports local storage on a microSD card up to 512GB (purchased separately). This allows you to store recordings directly on the device without a subscription.
- **Tapo Care Cloud Service:** For additional features like cloud storage, rich notifications with snapshots, and 30-day video clip history, you can subscribe to the Tapo Care cloud service.

4.5 Power Management

The Tapo SolarCam C402 is designed for continuous operation with its solar panel and long-lasting battery.

A composite image featuring a Tapo SolarCam C402 camera on the right and a circular inset on the left showing a smiling man with a beard and glasses wearing large black headphones. Below the images is a dark blue banner with white text.

Free expert help
Setup, optimize, & secure
 866-853-4942

The built-in battery can last up to 180 days on a single charge, even without sun.



One-Time Installation, Continuous Protection

Keep your camera charged and running all day/night. No sun? No problem, thanks to the onboard battery that lasts up to 180 days.

The camera and solar panel are designed to operate reliably in diverse weather conditions.

- **Solar Charging:** The included solar panel continuously charges the camera's built-in battery. Approximately 45 minutes of direct sunlight can provide a full day's charge under standard conditions.
- **Battery Reserve:** A fully charged battery can provide up to 180 days of operation, ensuring continuous performance even during extended cloudy periods.

5. MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your Tapo SolarCam C402 Kit.

- **Clean the Lens:** Periodically wipe the camera lens with a soft, clean cloth to remove dust, dirt, or water spots that may affect image clarity.
- **Clean the Solar Panel:** Ensure the solar panel surface is clean and free of debris (leaves, dust, snow) to maximize charging efficiency. Use a soft, damp cloth for cleaning.
- **Check Connections:** Occasionally inspect all cable connections, especially the waterproof seals, to ensure they are secure and free from damage.
- **Firmware Updates:** Check the Tapo app regularly for firmware updates. Keeping your camera's firmware up-to-date ensures you have the latest features and security enhancements.

6. TROUBLESHOOTING

If you encounter issues with your Tapo SolarCam C402 Kit, try the following troubleshooting steps:

- **Camera Offline:**
 - Check your Wi-Fi signal strength at the camera's location using the Tapo app or a Wi-Fi analyzer tool.
 - Ensure your home Wi-Fi network is active and functioning correctly.
 - Restart the camera by pressing its power button or by temporarily disconnecting the solar panel and then reconnecting it.
 - Ensure your smartphone is connected to the same Wi-Fi network as the camera for initial setup and sometimes for direct connection.
- **Battery Not Charging:**

- Verify the solar panel is receiving direct sunlight for several hours a day.
 - Clean the surface of the solar panel to remove any obstructions.
 - Check the connection cable between the solar panel and the camera for any damage or loose connections.
- **Poor Video Quality:**
 - Clean the camera lens.
 - Ensure adequate lighting in the viewing area, especially for color night vision.
 - Check your Wi-Fi connection speed and stability.
 - **False Alerts:**
 - Adjust activity zones in the Tapo app to exclude areas with irrelevant motion (e.g., swaying trees, busy roads).
 - Ensure Person/Vehicle Detection is enabled if you wish to filter out general motion.

7. SPECIFICATIONS

Feature	Specification
Model Number	Tapo C402 KIT
Video Capture Resolution	1080p
Viewing Angle	125 Degrees
Night Vision Range	30 Feet
Power Source	Battery Powered (2 Lithium Ion batteries included) with Solar Panel
Connectivity Technology	Wireless (Wi-Fi)
Storage Options	MicroSD card (up to 512GB), Tapo Care Cloud Service
Indoor/Outdoor Usage	Outdoor
Water Resistance Level	IP65 Waterproof
Compatible Devices	Tablet, Smartphone (Tapo APP, Google Assistant, Amazon Alexa)
Dimensions (L x W x H)	2.5 x 2.5 x 4.55 inches
Item Weight	2.14 pounds

8. WARRANTY AND SUPPORT

For technical support, warranty information, and additional resources, please contact TP-Link customer service.

- **Free Expert Help:** TP-Link offers free expert help for setup, optimization, and security of your Tapo product.
- **Support Contact:** You can reach support at [866-853-4942](tel:866-853-4942).
- **Online Resources:** Visit the official Tapo website for FAQs, troubleshooting guides, and community forums.

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