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Rraycom C366

Rraycom C366 Solar Security Camera System User Manual

Model: C366 | Brand: Rraycom

INTRODUCTION

This manual provides comprehensive instructions for the Rraycom C366 Solar Security Camera System. This wireless outdoor camera system features 2.5K resolution, solar/battery power, PIR motion detection, two-way audio, color night vision, and IP66 waterproofing. It supports both 2.4GHz and 5GHz WiFi bands for stable connectivity and offers flexible local and cloud storage options.

WHAT'S IN THE BOX

- 4x Wireless Solar Security Camera Outdoor
- 4x Adjustable 2W Solar Panels (with Screw Pack)
- 4x 3M Type-C USB Charge Cable for Solar Panel



Image: Rraycom C366 Solar Security Camera with its solar panel, illustrating the main components. The camera is white with a black front, and the solar panel is black with a white frame.

Your browser does not support the video tag.

Video: An unboxing video for the C366 security camera, showing all included components such as the camera, solar panel, power cable, pin, and screw package.

SETUP AND INSTALLATION

The Rraycom C366 camera is designed for easy, 100% wire-free installation. No complex wiring or professional technicians are required. Simply drill three holes and mount the camera and solar panel in your desired location.

Mounting the Camera and Solar Panel

- 1. Choose a Location:** Select an outdoor area with good WiFi coverage and sufficient direct sunlight for the solar panel. Ensure the camera has a clear view of the area you wish to monitor.
- 2. Drill Holes:** Use the provided screw package to mark and drill three holes for mounting the camera bracket and solar panel bracket.

3. **Secure Mounting:** Attach the camera and solar panel brackets securely to the wall using the provided screws.
4. **Connect Solar Panel:** Connect the 3M Type-C USB charge cable from the solar panel to the camera's charging port.
5. **Adjust Angle:** Adjust the angle of both the camera and the solar panel to optimize sunlight absorption and camera viewing angle.



Image: A man in work attire installing the Rraycom C366 camera on an exterior wall, demonstrating the ease of DIY quick installation.

Initial Setup and App Connection

Download the free "Tuya" app to your smartphone (iOS or Android) to connect and configure your camera. The camera supports both 2.4GHz and 5GHz WiFi bands for flexible and stable connectivity.

1. **Download App:** Search for "Tuya" in your device's app store and install it.
2. **Create Account:** Open the app and follow the prompts to create a new account or log in.
3. **Add Device:** Tap the "+" icon to add a new device. Select "Security Camera" or similar option.
4. **Power On Camera:** Ensure the camera is powered on.
5. **Connect to WiFi:** Follow the in-app instructions to connect the camera to your home WiFi network. This typically involves scanning a QR code displayed on your phone with the camera.
6. **Complete Setup:** Once connected, name your camera and complete the initial setup process within the app.

Stable 5GHz & 2.4GHz Dual-WiFi Connection

No more worrying about network disconnection, enjoy wider Wi-Fi coverage and fast, stable connection.

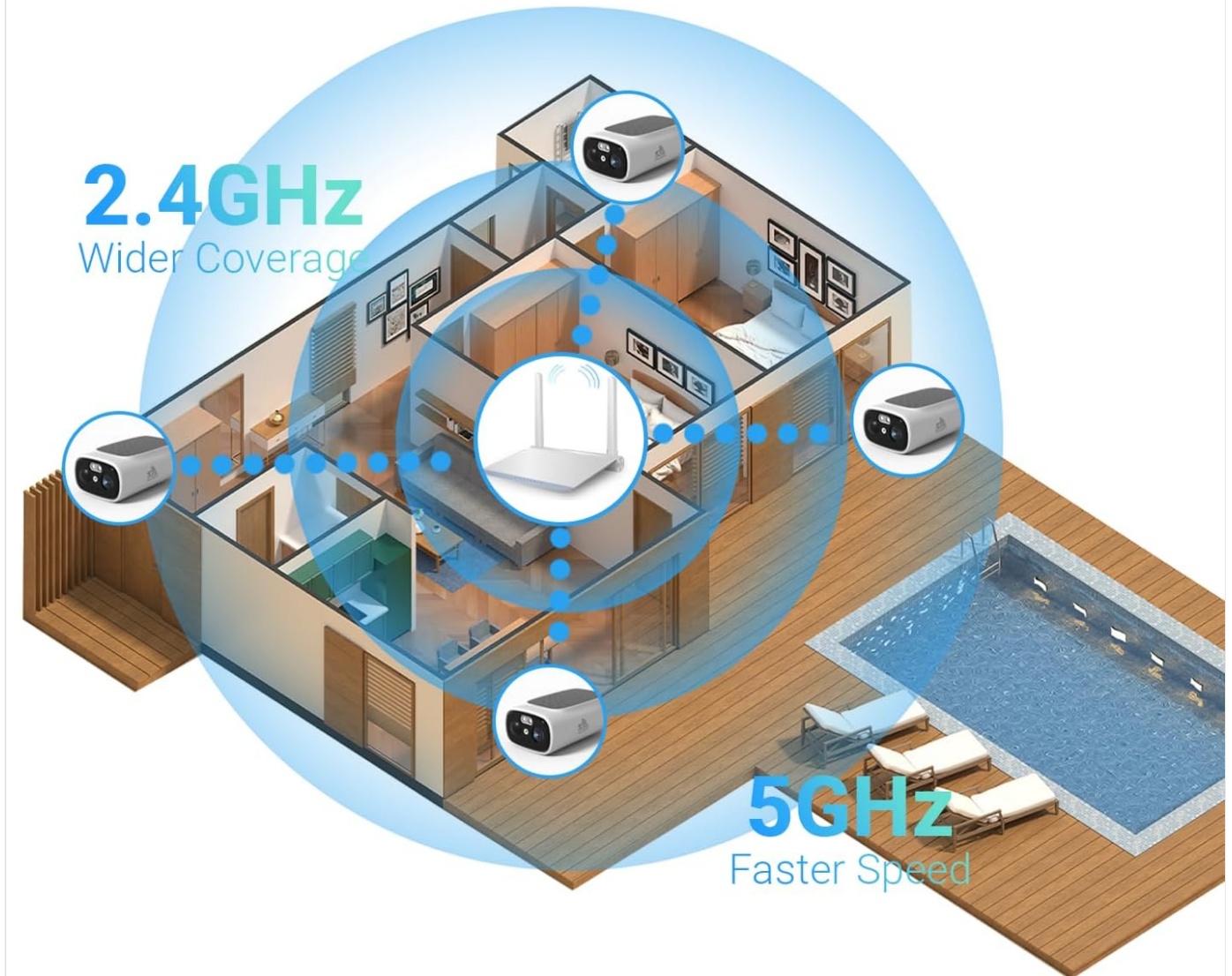


Image: A smartphone displaying the Tuya app interface, showing a live feed from the Praycom camera, demonstrating remote access and monitoring capabilities.

OPERATING INSTRUCTIONS

Live View and Recording

Access live footage from your camera anytime, anywhere through the Tuya app. The camera records automatically when motion is detected.

- **Live View:** Open the Tuya app and select your camera to view the live feed.
- **Playback:** Review recorded events from the app's playback section. Recordings are stored on the inserted TF card (up to 128GB, not included) or in optional cloud storage.
- **2.5K Clarity & 6x Zoom:** The camera provides 2.5K FHD resolution. Use the digital zoom feature in the app to magnify distant objects and view details.

Smart AI Detection

Never miss a key moment.



Image: A side-by-side comparison showing the superior clarity of 2K QHD resolution versus 1080P, highlighting the detailed image quality of the Rraycom C366 camera.

Motion Detection and Alerts

The camera features advanced AI motion detection to distinguish between people and animals, reducing false alarms. When motion is detected, you receive instant alerts.

- **Instant Notifications:** Receive email and push notifications on your smartphone when motion is detected.
- **Spotlight and Siren:** The powerful spotlight and siren can be activated automatically upon detection to deter intruders.
- **Customizable Detection Zones:** Define specific areas within the camera's view to focus motion detection, minimizing alerts from non-critical zones.

PIR Motion Detection & Instant Alert



Spotlight Alarm



APP Push



Siren Alarm



Detection
Zone Set up

Get out of here!

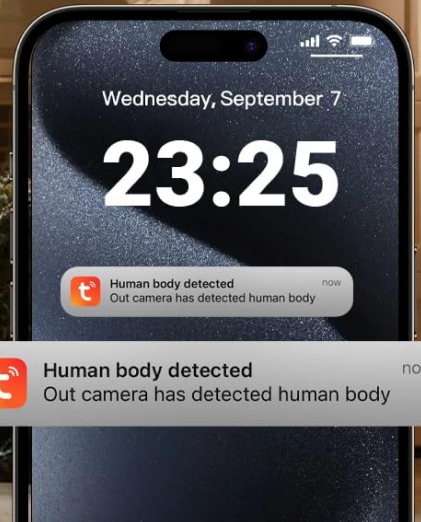


Image: An illustration of the camera's smart AI detection capabilities, showing it can differentiate between persons, pets, vehicles, and packages to reduce false alarms.

Two-Way Audio

Communicate directly through the camera using the built-in microphone and speaker.

- **Speak:** Use the microphone icon in the app to speak through the camera.
- **Listen:** The camera's speaker allows you to hear audio from the monitored area.

Clear 2K QHD Resolution & 5XZoom

Capture images and video in greater detail with High Definition clarity.



Image: A visual representation of the two-way audio feature, showing a delivery person speaking to a homeowner through the camera, and the homeowner responding via their smartphone app.

Smart Home Integration (Alexa)

The Rraycom C366 camera is compatible with Amazon Alexa, allowing for voice control.

- **Connect to Alexa:** Follow the instructions in the Tuya app or Alexa app to link your Rraycom account.
- **Voice Commands:** Use commands like "Alexa, show me the backyard" to view live footage on compatible devices such as Echo Show.

Hands-free Control Your Camera

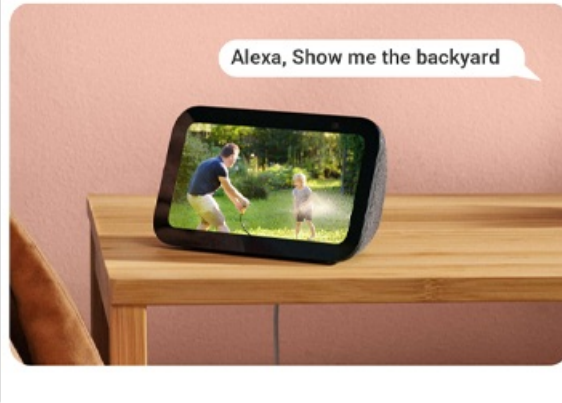


Image: An image showing the "Works with Google Assistant" and "Works with Alexa" logos, indicating compatibility. Below, an Echo Show device displays a live camera feed, demonstrating hands-free control.

MAINTENANCE

Solar Charging

The integrated solar panel provides continuous power to the built-in 9600mAh lithium battery. For optimal performance, ensure the solar panel receives adequate direct sunlight daily.

- **Panel Placement:** Position the solar panel in an area that receives at least 1.5 hours of direct sunlight per day.
- **Cleanliness:** Periodically clean the surface of the solar panel to remove dust, dirt, or debris that may obstruct sunlight absorption.

100% Wire-Free & Forever Power

Solar charging for 1.5 hours a day, continuous power supply for 365 days



Dual Solar Panels:
integrated+ adjustable solar panel



9000 mh Large
Capacity Battery



No messy cables



Image: The Rraycom C366 camera and its solar panel mounted on an outdoor wall, illustrating the 100% wire-free and continuous power supply feature with a 9000mAh battery.

Weather Resistance

The camera has an IP66 waterproof rating, designed to withstand various outdoor weather conditions.

- **Protection:** The IP66 rating ensures protection against heavy rain, snow, dust, and splashes.
- **Operating Temperature:** The camera is designed to operate in temperatures ranging from -20°C (-4°F) to 50°C (122°F).

IP66 Waterproof

It has excellent weather resistance and has been tested through heavy rains, hail storms and snow.



Image: The Raycom C366 camera with its solar panel shown in two different weather conditions: heavy rain with lightning and a snowy winter landscape, demonstrating its IP66 waterproof and all-weather readiness.

TROUBLESHOOTING

| Problem | Possible Cause | Solution |
|-----------------------------|---|--|
| Camera not powering on | Low battery; Solar panel not charging; Power cable issue. | Ensure solar panel is in direct sunlight. Check cable connection. Fully charge the camera using the USB cable if needed. |
| Cannot connect to WiFi | Incorrect WiFi password; Camera too far from router; Router band incompatibility. | Verify WiFi password. Move camera closer to router. Ensure your router supports 2.4GHz or 5GHz and select the appropriate band in the app. |
| Frequent false alarms | Motion detection sensitivity too high; Unoptimized detection zones. | Adjust motion detection sensitivity in the app. Configure custom detection zones to exclude busy areas. |
| Poor video quality at night | Insufficient ambient light for color night vision. | Ensure the camera's spotlight is enabled for color night vision. Clear any obstructions blocking the camera's view. |
| Two-way audio not working | Microphone/speaker muted in app; Network issues. | Check audio settings in the Tuya app. Ensure stable network connection. |

SPECIFICATIONS

| Feature | Detail |
|--------------------------|--|
| Model Name | C366-SP |
| Indoor/Outdoor Usage | Outdoor, Indoor |
| Power Source | Solar Powered, Battery Powered (9600mAh Lithium Ion) |
| Connectivity Technology | Wireless (2.4GHz & 5GHz Wi-Fi) |
| Video Capture Resolution | 2.5K HD (1920p) |
| Night Vision | Color Night Vision, 100 Feet Range |
| Zoom Type | Digital Zoom (6x) |
| Motion Detection | AI Motion Detection (People, Animals, Vehicles, Packages), Instant Alerts, Spotlight, Siren |
| Audio | Two-Way Audio |
| Storage | Micro SD (up to 128GB, not included), Optional Cloud Storage |
| Water Resistance Level | IP66 Waterproof |
| Operating Temperature | -20°C (-4°F) to 50°C (122°F) |
| Compatible Devices | Smartphone (iOS, Android), Desktop, Tablet, Amazon Alexa, Google Assistant |
| Viewing Angle | 130 Degrees |
| Material | Acrylonitrile Butadiene Styrene (ABS) |
| Product Dimensions | 10.35 x 3.35 x 12.4 inches |
| Item Weight | 1.35 pounds |
| Number of Items | 4 |
| Recommended Uses | Indoor Security, Outdoor Security |
| Special Features | 2.4/5 Ghz WiFi, 2.5K HD Resolution, Micro SD Local Recording(Optional), Cloud Storage(Optional), 100% Wireless, Solar/Battery Powered, Remote Access, 2 Way Audio, Motion Sensor, Zone Detection, Motion Triggered Recording, IP66 Waterproof, Work with Alexa, Color Night Vision |

WARRANTY AND SUPPORT

Raycom is committed to providing high-quality security camera products and excellent customer service. Every camera undergoes rigorous testing and inspection before shipment.

For any product inquiries, technical support, or warranty claims, please contact our customer service team:

Email: aftersale@rraycom.com

Manufacturer: Rraycom

Security Data Access



SSL/TLS and AES encryption team up to deliver impenetrable security for your data during transmission and storage.

Image: An illustration depicting a customer service representative at a desk with a computer and phone, symbolizing available customer support for the product.

