CINMOORE CM-PT2U

CINMOORE 4G LTE Cellular Security Camera CM-PT2U User Manual

Model: CM-PT2U

1. INTRODUCTION

This manual provides detailed instructions for the CINMOORE 4G LTE Cellular Security Camera, Model CM-PT2U. This outdoor surveillance camera operates on a 4G LTE cellular network, eliminating the need for Wi-Fi. It features 2.5K resolution, solar power, pan-tilt-zoom (PTZ) functionality with AI tracking, and full-color night vision. Designed for robust outdoor use, it includes an 18,000mAh battery and an 8W solar panel for continuous operation, even in extreme cold conditions down to -22°F. The camera supports AOR (Always-on-Record) 24/7 recording to an included 64GB SD card, with optional cloud storage available.

2. WHAT'S IN THE BOX

- 1 x 2.5K PTZ Camera
- 4 x Mounting Screws
- 1 x Quick Guide
- 1 x Ejector Pin
- 1 x Type C Power Cable
- 1 x 8W Solar Panel

Figure 2.1: All components included in the product packaging.

3. SETUP GUIDE

3.1 Initial Preparation

1. **Charge the Camera:** Before first use, fully charge the camera using the provided Type C power cable.
2. **Insert SIM Card:** Locate the SIM card slot on the camera. Use the ejector pin to open the tray and insert the provided 3-in-1 virtual SIM card. Ensure it is correctly seated.
3. **Insert SD Card:** The camera comes with a pre-installed 64GB SD card for local storage. Ensure it is properly inserted.

Figure 3.1: Location of SIM and SD card slots on the camera.

3.2 Mounting the Camera and Solar Panel

The camera and solar panel can be mounted on a wall, ceiling, or pole. Choose a location that provides optimal sunlight exposure for the solar panel and a clear view for the camera.

1. **Attach Mounting Bracket:** Secure the camera's mounting bracket to your chosen surface using the provided screws.
2. **Attach Solar Panel:** Mount the 8W solar panel in a location that receives direct sunlight for most of the day. Connect the solar panel cable to the camera's charging port.
3. **Adjust Angle:** Adjust the camera and solar panel angles to optimize surveillance coverage and solar charging efficiency.
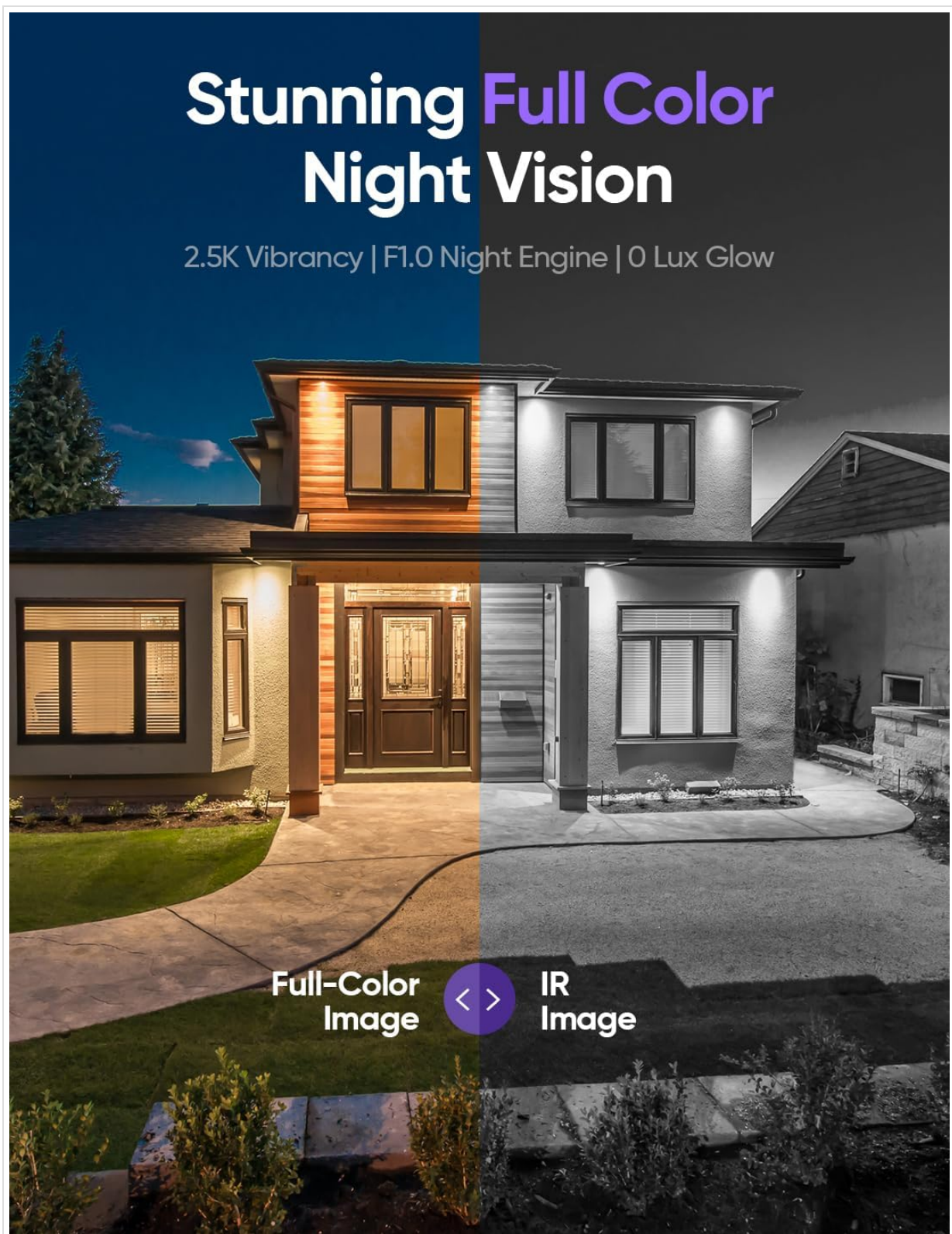
Figure 3.2: Example of camera and solar panel outdoor installation.

3.3 App Installation and Connection

1. **Download the App:** Search for the "CINMOORE" app in your smartphone's app store (iOS or Android).
2. **Create Account:** Follow the on-screen instructions to create a new user account.
3. **Add Device:** In the app, select "Add Device" and follow the prompts to scan the QR code on your camera or manually enter its details.
4. **Network Connection:** The camera will automatically connect to the 4G LTE network via the installed SIM card. Note that Wi-Fi is not supported for this model.

For a visual guide on the camera's features and app interface, please refer to the official product video below:

Your browser does not support the video tag.

Video 3.1: Official CINMOORE 4G LTE Cellular Security Camera overview and app demonstration.

4. OPERATING INSTRUCTIONS

4.1 Powering On/Off

- **Power On:** Press and hold the power button located on the camera until the indicator light illuminates.
- **Power Off:** Press and hold the power button until the indicator light turns off.

4.2 4G LTE Connectivity

The camera utilizes 4G LTE for data transmission, making it ideal for locations without Wi-Fi. The included SIM card supports AT&T, T-Mobile, and Verizon networks, automatically switching to the strongest signal. A cellular data plan is required for operation after the initial trial data is consumed.

4.3 AOR (Always-on-Record) 24/7 Recording

The CM-PT2U features patented AOR technology for continuous 24/7 recording at 1-5 frames per second (fps). This mode optimizes power consumption while ensuring constant surveillance with perfect audio-video synchronization and automatic resolution switching.

Figure 4.1: AOR (Always-on-Record) functionality and local storage.

4.4 2.5K Full-Color Night Vision

Equipped with an F1.0 super aperture lens, the camera delivers 2.5K full-color day and night vision. This technology allows for vivid detail capture in low-light conditions, providing clearer footage of license plates and facial features compared to standard infrared night vision.

Figure 4.2: Full-color night vision capability.

4.5 AI Tracking & Smart Patrol

The camera features 360° pan-tilt auto-tracking and 8X digital zoom. Its local AI detection can identify motion, humans, vehicles, animals, loitering, lens blockage, and sounds (e.g., barks, horns). Users can set up 6-way patrol routes, custom voice alarms, and activate strobe lights to deter intruders.

Figure 4.3: Smart AI detection features.

4.6 Local and Cloud Storage

All recordings are saved to the included 64GB SD card, eliminating monthly storage fees. The footage on the SD card is encrypted and viewable only through the official app. Optional paid cloud storage on U.S. AWS servers is also available for additional backup.

4.7 Two-Way Audio

The camera supports two-way audio communication, allowing you to speak through the camera and hear audio from its vicinity via the app.

5. MAINTENANCE

- **Cleaning:** Regularly wipe the camera lens and solar panel with a soft, damp cloth to ensure optimal performance and charging efficiency. Avoid abrasive cleaners.
- **Battery Care:** The 18,000mAh battery is designed for coldproof operation down to -22°F. For prolonged battery life, ensure the solar panel receives adequate sunlight.
- **Firmware Updates:** Check the CINMOORE app periodically for firmware updates. Install updates to ensure your camera has the latest features and security enhancements.

6. TROUBLESHOOTING

- **Camera Offline:** Ensure the camera is powered on and the SIM card has an active data plan. Check cellular signal strength in the app.
- **Battery Not Charging:** Verify the solar panel is clean and positioned to receive direct sunlight. Check the connection between the solar panel and the camera.
- **Poor Video Quality:** Ensure the camera lens is clean. Check cellular signal strength, as a weak signal can affect streaming quality.
- **Motion Detection Issues:** Adjust sensitivity settings in the app. Ensure the camera's view is not obstructed.

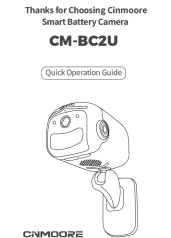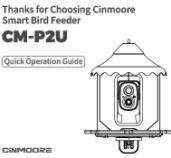For further assistance, refer to the in-app help section or contact CINMOORE customer support.
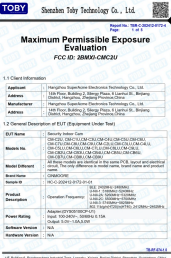
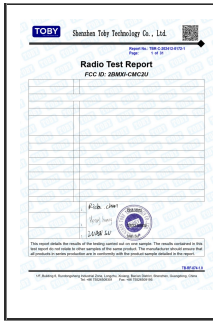## 7. SPECIFICATIONS

Feature	Detail
Model Name	2.5K 4G 24/7 Recording Pan & Tilt Camera
Model Number	CM-PT2U
Indoor/Outdoor Usage	Outdoor
Power Source	Solar Powered
Connectivity Protocol	Cellular (4G LTE)
Video Capture Resolution	2.5K (1440p)
Battery Capacity	18,000mAh (included)
Solar Panel	8W
Local Storage	64GB SD Card (included)
Water Resistance Level	Waterproof (IP67)
Operating Temperature	-22°F to 140°F
Night Vision Range	100 Feet
Item Dimensions (L x W x H)	5 x 5.1 x 7 inches
Item Weight	3.7 Pounds

8. WARRANTY AND SUPPORT

The CINMOORE 4G LTE Cellular Security Camera comes with a lifetime warranty, ensuring long-term reliability and customer satisfaction. For any technical issues, troubleshooting assistance, or warranty claims, please contact CINMOORE customer support through the official app or their website. Detailed contact information can typically be found within the app's settings or on the product packaging.

Related Documents - CM-PT2U

	Cinmoore 2.5K 4G Pan & Tilt Camera Quick Operation Guide A quick operation guide for the Cinmoore 2.5K 4G Pan & Tilt Camera, covering setup, installation, and indicator light status.
	Cinmoore CM-BC2U Smart Battery Camera Quick Operation Guide This Quick Operation Guide provides essential information for setting up and using the Cinmoore CM-BC2U Smart Battery Camera, including what's in the box, product overview, quick start instructions, connection steps, installation, charging, indicator status, and FCC compliance information.
	Cinmoore CM-P2U Smart Bird Feeder Quick Operation Guide Quick operation guide for the Cinmoore CM-P2U Smart Bird Feeder, covering setup, assembly, features, and indicator light status. Includes FCC compliance information.
	Maximum Permissible Exposure Evaluation for CINMOORE Security Indoor Cam This document provides the Maximum Permissible Exposure (MPE) evaluation for the CINMOORE Security Indoor Cam, models CM-C2U and related variants. It details the methodology, test results, and conclusions regarding compliance with FCC regulations for RF exposure.
	RF Test Report for CINMOORE Security Indoor Cam (FCC ID: 2BMXI-CMC2U) This RF test report details the compliance testing for the CINMOORE Security Indoor Cam, FCC ID 2BMXI-CMC2U, conducted by Shenzhen Toby Technology Co., Ltd. for Hangzhou SuperAcme Electronics Technology Co., Ltd. It covers conducted and radiated emissions, bandwidth, output power, and spectral density.

[Radio Test Report - FCC ID: 2BMXI-CMC2U - CINMOORE Security Indoor Cam](#)

This report details the radio test results for the CINMOORE Security Indoor Cam (Model: CM-C2U), FCC ID: 2BMXI-CMC2U, conducted by Shenzhen Toby Technology Co., Ltd. It covers conducted emissions, radiated emissions, bandwidth, peak output power, power spectral density, and antenna requirements.