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› TKENPRO 2K Wireless Outdoor Security Camera User Manual

TKENPRO B0BZ4MTT5R

TKENPRO 2K Wireless Outdoor Security Camera User Manual

Model: B0BZ4MTT5R

Brand: TKENPRO

1. INTRODUCTION

Thank you for choosing the TKENPRO 2K Wireless Outdoor Security Camera. This manual provides essential information for the proper installation, operation, and maintenance of your security camera. Please read this manual thoroughly before using the product and retain it for future reference.

2. IMPORTANT SAFETY INFORMATION

- Ensure the camera is installed in a location where it is protected from extreme weather conditions beyond its IP65 rating.
- Only use the provided power adapter or solar panel for charging.
- Do not attempt to disassemble or modify the camera. This will void the warranty and may cause damage.
- Keep the camera and its components out of reach of children.
- Ensure your Wi-Fi network is secure to prevent unauthorized access.
- This camera operates on 2.4 GHz Wi-Fi only. Ensure your router supports this frequency.

3. PACKAGE CONTENTS

Please check the package for the following items:

- TKENPRO 2K Wireless Outdoor Security Camera
- Solar Panel
- Mounting Bracket and Screws
- USB Charging Cable
- User Manual (this document)

4. PRODUCT OVERVIEW

The TKENPRO 2K Wireless Outdoor Security Camera is designed for comprehensive outdoor surveillance, featuring solar power, 2K resolution, color night vision, and pan-tilt capabilities.



Figure 4.1: TKENPRO 2K Wireless Outdoor Security Camera and Solar Panel.

Key Features:

- **2K Ultra HD Resolution:** Provides clear and detailed video footage.
- **Solar Powered:** Equipped with a solar panel for continuous charging, ensuring 365-day operation.
- **Color Night Vision:** Features a spotlight to enable full-color video recording even in low-light conditions, up to 40 ft.
- **Pan & Tilt Functionality:** Remote control via app for 355° horizontal and 120° vertical rotation.
- **4X Digital Zoom:** Allows for closer inspection of details.
- **PIR Motion Detection:** Advanced AI algorithm for accurate motion detection and real-time alerts.
- **Two-Way Audio:** Communicate with visitors or deter intruders.
- **Local & Cloud Storage:** Supports Micro SD card (up to 128GB, not included) and free 7-day loop cloud storage.
- **Weather Resistance:** IP65 rated for outdoor use in various weather conditions.
- **2.4GHz Wi-Fi Connectivity:** Stable wireless connection.

5. SETUP GUIDE

5.1 Initial Charging

Before installation, fully charge the camera using the provided USB cable. Connect the USB cable to the camera's

charging port and a 5V USB power adapter. The charging indicator light will show the charging status.

5.2 App Installation and Account Creation

1. Download the "CloudEdge" app from your smartphone's app store (iOS App Store or Google Play Store).
2. Open the CloudEdge app and register for a new account if you don't have one, or log in with your existing credentials.

5.3 Camera Pairing with App

1. Ensure your smartphone is connected to a 2.4 GHz Wi-Fi network.
2. In the CloudEdge app, tap the "+" icon to add a new device.
3. Follow the on-screen instructions to select your camera model and initiate the pairing process.
4. Power on the camera. The camera will enter pairing mode (indicated by a specific LED light pattern or voice prompt).
5. Scan the QR code displayed on your phone screen with the camera lens, or follow alternative pairing methods if prompted.
6. Once connected, name your camera and set its location.

5.4 Installation Location and Mounting

Choose a location with good Wi-Fi signal strength and ample sunlight exposure for the solar panel. The camera is designed for outdoor use.

Non-Stop Solar Powered

Rechargeable solar camera supplies power for 365 days



Figure 5.1: Example of camera and solar panel installation on a wall.

1. Mark the drilling points on the wall using the mounting bracket as a template.
2. Drill holes and insert wall anchors if necessary.
3. Secure the mounting bracket to the wall with screws.
4. Attach the camera and solar panel to the mounting bracket. Adjust the solar panel angle to maximize sun exposure.
5. Connect the solar panel cable to the camera's charging port.

6. OPERATING YOUR CAMERA

6.1 Live View and Playback

Open the CloudEdge app and select your camera to access the live view. From here, you can:

- View real-time footage.
- Initiate two-way audio communication.
- Take screenshots or record video manually.
- Access recorded events from cloud storage or an inserted SD card.

2K Ultra HD Resolution

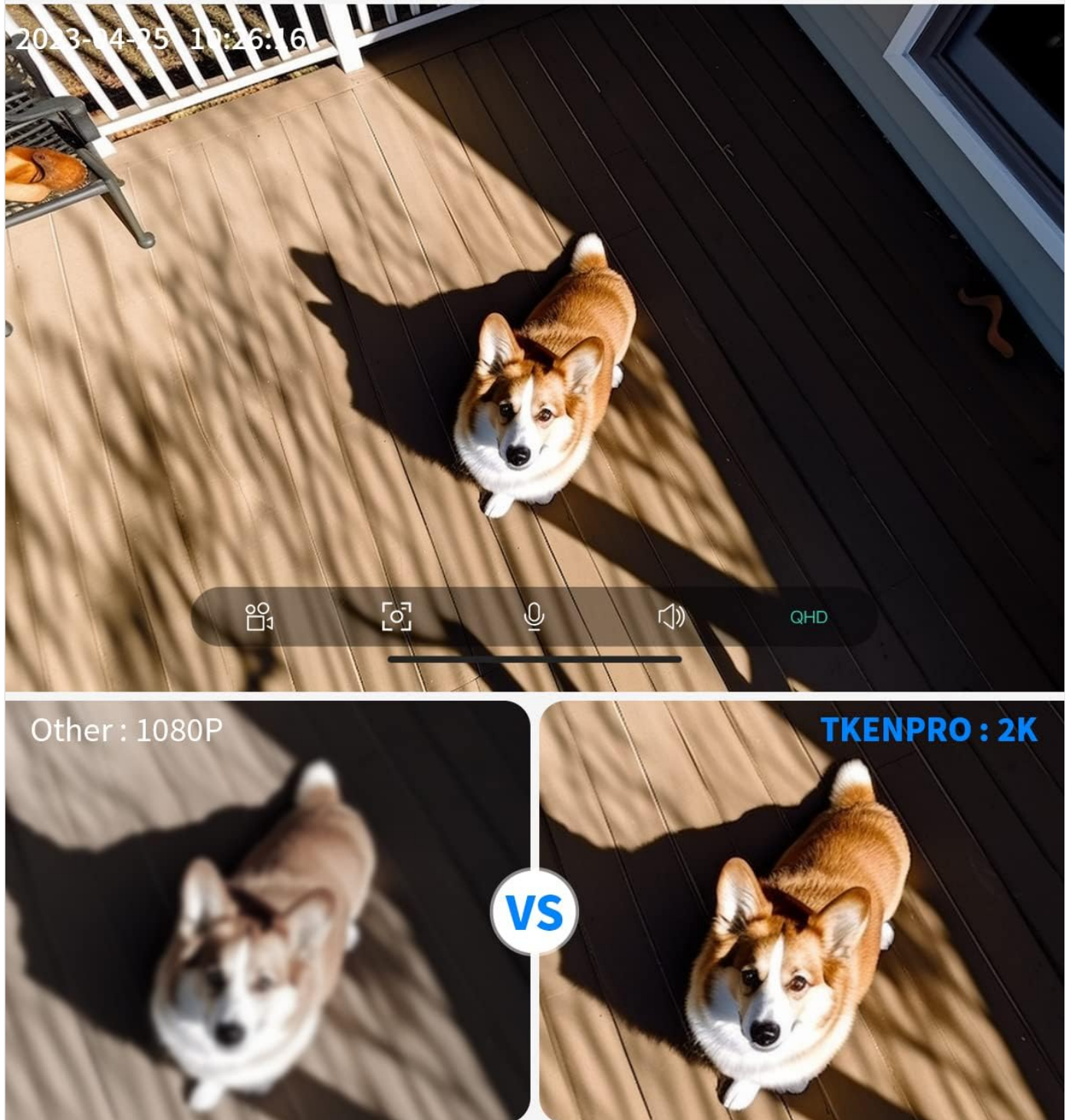


Figure 6.1: Live view interface showing 2K Ultra HD resolution.

6.2 Pan, Tilt, and Digital Zoom

Use the directional controls within the app's live view to remotely adjust the camera's viewing angle. The camera supports 355° horizontal and 120° vertical rotation. You can also pinch to zoom in on the live or recorded footage for 4X digital zoom.

360° Coverage for Your Home

Remote control App to check corners anytime



Figure 6.2: Illustrates the 360° coverage and 4X digital zoom capabilities.

6.3 Night Vision Modes

The camera offers two night vision modes:

- **Color Night Vision:** When motion is detected at night, the built-in spotlight can automatically turn on, providing full-color video.
- **Infrared Night Vision:** Standard black and white night vision using infrared LEDs.

You can configure the night vision settings in the app to suit your preferences.

Spotlight Color Night Vision

Super long night vision distance can reach 40FT



Figure 6.3: Demonstrates the difference between Color Night Vision and Infrared Night Vision.

6.4 Motion Detection and Alerts

The camera uses PIR motion detection to identify movement. When motion is detected, you will receive real-time alerts on your smartphone. You can also configure the camera to trigger a sound alarm and turn on the spotlight to deter intruders.

Smart PIR Motion Detection

Instant alert notifications, no more worries about security



Figure 6.4: Smart PIR Motion Detection in action, showing spotlight and siren alerts.

Advanced AI detection features (subscription may apply) can distinguish between pets, packages, and cars, reducing false alarms.

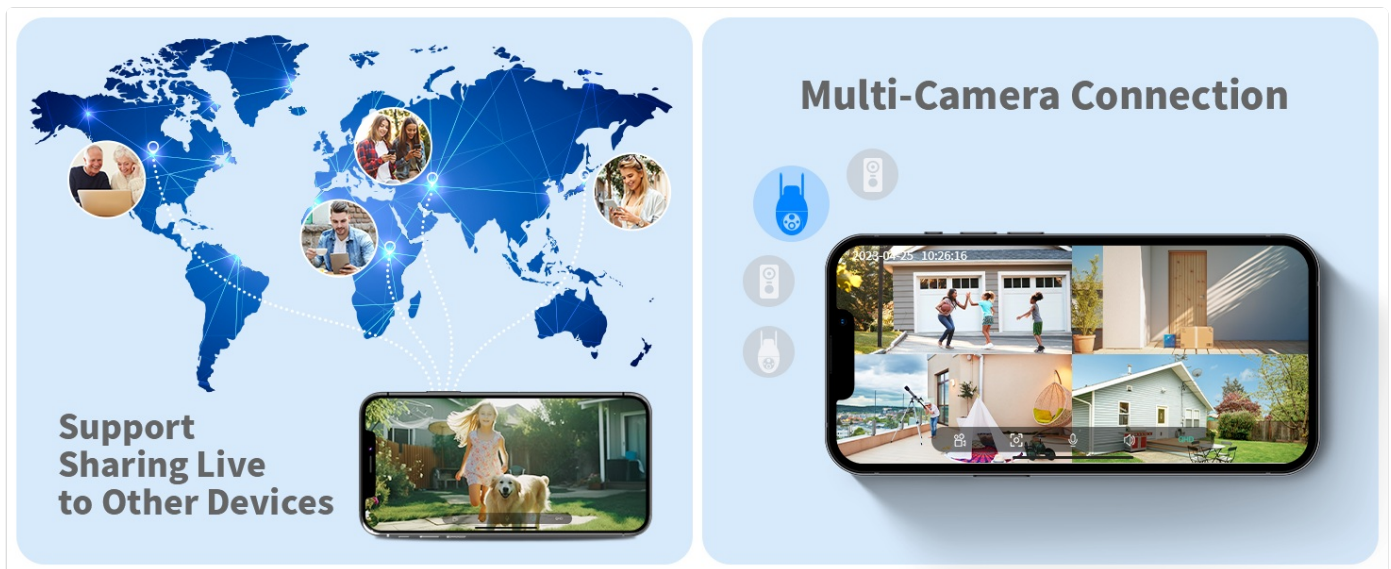


Figure 6.5: Custom detection zones and adjustable sensitivity settings within the app.

6.5 Storage Options

Recorded videos can be stored in two ways:

- **Micro SD Card:** Insert a Micro SD card (up to 128GB, not included) into the camera's SD card slot. The camera will record in a loop, overwriting the oldest footage when the card is full.
- **Cloud Storage:** Enjoy free 7-day loop cloud storage for recorded events. This means the video recorded on the eighth day will cover the video from the first day.

Record Every Important Moment



Figure 6.6: Storage options: Micro SD card and Cloud Storage.

7. MAINTENANCE

- **Cleaning:** Regularly wipe the camera lens and solar panel with a soft, damp cloth to ensure optimal performance. Do not use harsh chemicals.
- **Battery Care:** While solar-powered, ensure the solar panel receives adequate sunlight. In prolonged periods of low light or heavy usage, the camera's battery may require manual charging via the USB port.

- **Firmware Updates:** Check the CloudEdge app periodically for firmware updates to ensure your camera has the latest features and security enhancements.

8. TROUBLESHOOTING

Problem	Possible Solution
Camera won't connect to Wi-Fi.	• Ensure your Wi-Fi is 2.4 GHz. • Check Wi-Fi signal strength at the camera's location. • Restart your router and the camera. • Re-pair the camera with the app.
Battery drains quickly.	• Ensure the solar panel is clean and receiving direct sunlight. • Reduce motion detection sensitivity or frequency of alerts. • Limit live view streaming time.
Poor video quality.	• Clean the camera lens. • Check Wi-Fi signal strength. • Ensure the camera is set to 2K resolution in the app.
Motion alerts are too frequent/infrequent.	• Adjust motion detection sensitivity in the app. • Set up custom detection zones to focus on specific areas.

9. SPECIFICATIONS

Feature	Detail
Model	B0BZ4MTT5R
Brand	TKENPRO
Video Capture Resolution	2K
Power Source	Solar Powered
Connectivity Technology	Wireless (2.4 GHz Wi-Fi)
Pan/Tilt Angle	355° Horizontal, 120° Vertical
Digital Zoom	4X
Night Vision Range	Up to 40 ft (Color Night Vision)
Storage Options	Micro SD Card (up to 128GB), Cloud Storage (7-day loop free)
Weather Resistance	IP65

Feature	Detail
Batteries	2 Lithium Ion batteries (included)
Item Dimensions L x W x H	7.09 x 6.69 x 5.12 inches
Item Weight	2.89 ounces
Control Method	App (CloudEdge)

10. WARRANTY AND SUPPORT

TKENPRO products come with a standard manufacturer's warranty. For detailed warranty information, please refer to the warranty card included in your product packaging or visit the official TKENPRO website.

For technical support, troubleshooting assistance, or any inquiries regarding your TKENPRO security camera, please contact our customer support team through the contact information provided on the official TKENPRO website or within the CloudEdge app.

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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

Open the live page

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