

Manuals+

[Q & A](#) | [Deep Search](#) | [Upload](#)

manuals.plus /

› [TKENPRO](#) /

› [TKENPRO Dual Lens Solar Security Camera User Manual](#)

TKENPRO B0DXVL4TN9

TKENPRO Dual Lens Solar Security Camera User Manual

Model: B0DXVL4TN9 | Brand: TKENPRO

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your TKENPRO Dual Lens Solar Security Camera. This wireless outdoor camera features 2K Full HD video, a 360° view with pan/tilt capabilities, color night vision, and PIR alarm detection, powered by solar energy for continuous operation. Please read this manual thoroughly before using the product to ensure proper setup and functionality.

2. PRODUCT OVERVIEW AND KEY FEATURES

2.1 Dual Lens System for Comprehensive Coverage

The camera is equipped with two lenses to eliminate blind spots. One fixed lens monitors a critical zone, while the other lens offers 355° horizontal and 110° vertical rotation for dynamic area surveillance. This design provides extensive coverage for areas such as porches, yards, and driveways.

Double the Home Security Protection

One camera sees the back garden, another focuses on the garage for home safety with no blind spots



Image: Illustration of the dual-lens system, showing a fixed lens monitoring a garage area and a rotating lens covering a wider outdoor space.

360° Panoramic View



Image: A visual representation of the camera's 360° panoramic view, indicating 355° pan and 100° tilt rotation for flexible monitoring.

2.2 2K Ultra HD Resolution and Advanced Night Vision

The camera captures video in crisp 2K resolution, providing clear details of events. It features a powerful white spotlight and built-in infrared LED array, enabling both color night vision and standard infrared night vision to monitor your property in low-light conditions.

2K in Color, Day and Night



Image: A split image demonstrating the camera's 2K resolution in both daytime (color) and nighttime (color night vision) scenarios in a backyard setting.

2.3 Solar/Battery Powered and True Wireless Operation

The camera is equipped with a solar panel and a rechargeable battery, ensuring continuous power without the need for frequent manual charging or complex wiring. Its IP65 waterproof rating provides durability against various weather conditions, making it suitable for outdoor installation. **Note:** This camera supports 2.4GHz WiFi networks only.

Wire-Free Flexible Installation



High-Efficiency
Solar Panel



Rechargeable
Battery



Image: The camera and its solar panel are shown installed on the exterior of a building, highlighting the wire-free and flexible installation.

2.4 PIR Sensing and Real-Time Communication

Advanced PIR (Passive Infrared) and smart AI detection technology reduce false alarms and send instant alerts to your device. The camera also supports two-way audio, allowing for real-time conversations with visitors or to deter intruders.

Keep Your Home Safe with AI Smart Detection



Alert Message

Front door Moving objects detected

now



Real-Time App
Notification



Motion-Activated
Light



65ft Sensing
Distance



110 dB
Security Siren

Image: An illustration of the AI Smart Detection features, including real-time app notifications, motion-activated light, 65ft sensing distance, and a 110 dB security siren.

Two-way Audio

Listen and talk to someone from anywhere through the app



Image: A scenario depicting two-way audio communication, where a user speaks through the camera to a person at their front door.

2.5 Flexible Storage Options

Recorded videos can be stored locally on a memory card (up to 256GB, not included) or via cloud storage. Basic cloud storage functions are available without charge. The camera also integrates with Alexa for voice control and live video display.

3. PACKAGE CONTENTS

Please verify that all items are present in your package:

- Dual Lens Solar Security Camera Unit
- Solar Panel
- Mounting Bracket and Screws
- USB Charging Cable
- User Manual

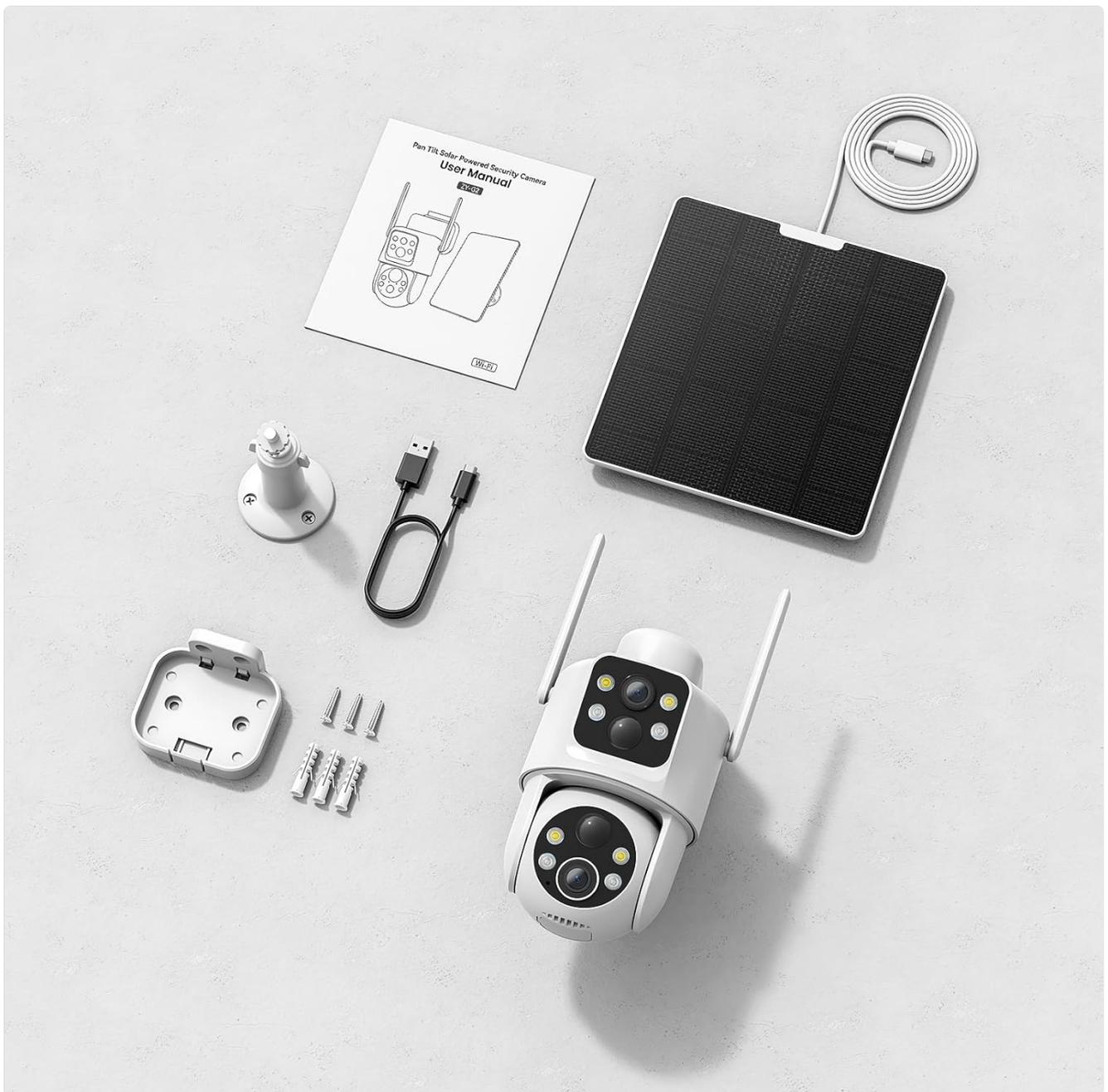


Image: A flat lay of the product's components, including the camera, solar panel, mounting hardware, USB cable, and user manual.

4. SETUP GUIDE

4.1 Physical Installation

1. **Choose a Location:** Select an outdoor location with ample sunlight exposure for the solar panel and a clear view for the camera. Ensure the location is within range of your 2.4GHz WiFi network.
2. **Mount the Camera:** Use the provided mounting bracket and screws to securely attach the camera unit to a wall or desired surface. Adjust the camera's angle for optimal coverage.
3. **Mount the Solar Panel:** Install the solar panel in a position that receives direct sunlight for most of the day. Connect the solar panel cable to the camera unit.

4.2 App Connection

1. **Download the App:** Search for and download the 'CloudEdge' app from your smartphone's app store (iOS or Android).

2. **Create an Account:** Open the app and follow the on-screen instructions to create a new user account or log in if you already have one.
3. **Add Device:** Ensure your phone's Bluetooth is enabled. In the app, tap 'Add Device' or the '+' icon. Select the appropriate camera model.
4. **Connect to WiFi:** Follow the app's instructions to connect the camera to your 2.4GHz WiFi network. You may need to scan a QR code displayed on your phone with the camera.
5. **Complete Setup:** Once connected, name your camera and complete the initial setup process.

5. OPERATING INSTRUCTIONS

5.1 Live View and Pan/Tilt Control

Open the CloudEdge app and select your camera to view the live feed. Use the on-screen controls to pan (horizontal) and tilt (vertical) the rotating lens to adjust your viewing angle.



Image: A smartphone displaying the live feed from both the fixed and rotating lenses of the security camera, offering a

5.2 Motion Detection Settings

Navigate to the camera settings in the app to configure motion detection. You can adjust sensitivity levels and set up specific activity zones (up to 12) to focus monitoring on important areas and reduce unwanted alerts.

5.3 Two-Way Audio

From the live view screen, tap the microphone icon to activate two-way audio. You can speak through your phone, and your voice will be projected through the camera's speaker. Tap the speaker icon to listen to audio from the camera's vicinity.

5.4 Recording and Playback

Recorded events are stored on the inserted memory card or in the cloud. Access the 'Playback' section in the app to review past footage. You can filter recordings by date and event type.

5.5 Night Vision Modes

The camera automatically switches between day and night vision. In low light, it can activate infrared LEDs for black and white vision or the white spotlight for color night vision, depending on your settings and detected motion.

6. MAINTENANCE

- **Solar Panel Cleaning:** Periodically clean the surface of the solar panel with a soft, damp cloth to ensure maximum sunlight absorption and efficient charging.
- **Camera Lens Cleaning:** Gently wipe the camera lenses with a microfiber cloth to remove dust or smudges that may affect image clarity.
- **Battery Health:** The integrated rechargeable battery is designed for long-term use. Ensure the solar panel is positioned to receive adequate sunlight to maintain battery charge.

7. TROUBLESHOOTING

Q: Camera is not connecting to WiFi.

A: Ensure your WiFi network is 2.4GHz. The camera does not support 5GHz WiFi. Check that the camera is within range of your router and that the WiFi password is entered correctly. Restart your router and the camera if necessary.

Q: Receiving too many false alarms.

A: Adjust the motion detection sensitivity settings in the CloudEdge app. You can also define specific activity zones to exclude areas where unwanted motion (e.g., passing cars, trees swaying) might trigger alerts.

Q: Camera battery is not charging.

A: Verify that the solar panel is clean and positioned to receive direct sunlight for several hours daily. Check the connection cable between the solar panel and the camera for any damage or loose connections.

Q: Live stream is slow or frequently disconnects.

A: Check your WiFi signal strength at the camera's location using the app. If the signal is weak, consider relocating the camera or using a WiFi extender. Ensure your internet connection is stable.

8. SPECIFICATIONS

Feature	Detail
Model	B0DXVL4TN9
Brand	TKENPRO
Resolution	2K Full HD
Connectivity	2.4GHz Wi-Fi Only
Power Source	Solar Powered, Rechargeable Battery
Pan/Tilt Range	355° Horizontal, 110° Vertical (Rotating Lens)
Night Vision	Color Night Vision, Infrared Night Vision
Motion Detection	PIR Sensing, Smart AI Detection
Audio	Two-Way Audio
Storage Options	Micro SD Card (up to 256GB, not included), Cloud Storage
Weather Resistance	IP65 Waterproof
Compatible Devices	Smartphone (via CloudEdge App)
Item Weight	2.38 pounds (1.08 Kilograms)
Package Dimensions	7.99 x 6.89 x 5.55 inches

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation included with your purchase or contact TKENPRO customer service directly through their official website or the contact information provided in the CloudEdge app. Please have your product model number (B0DXVL4TN9) ready when contacting support.