

## TIEJUS PW1

# TIEJUS PW1 2K Wireless Outdoor Solar Security Camera User Manual

Model: PW1

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your TIEJUS PW1 2K Wireless Outdoor Solar Security Camera. Please read this manual thoroughly before using the product to ensure correct usage and optimal performance. Keep this manual for future reference.

The TIEJUS PW1 camera is designed for outdoor security, featuring 2K HD resolution, 360° pan-tilt-zoom (PTZ) capabilities, color night vision, two-way audio, and dual-band Wi-Fi connectivity (2.4GHz/5GHz). It is powered by a rechargeable battery and a solar panel, offering continuous operation. The camera is IP66 weatherproof and compatible with Alexa.

## 2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- TIEJUS PW1 Security Camera
- Solar Panel
- Mounting Screws
- Instruction Manual



Image: Contents of the TIEJUS PW1 security camera package, including the camera, solar panel, manual, and mounting hardware.

### 3. PRODUCT OVERVIEW

Familiarize yourself with the components of your TIEJUS PW1 camera:

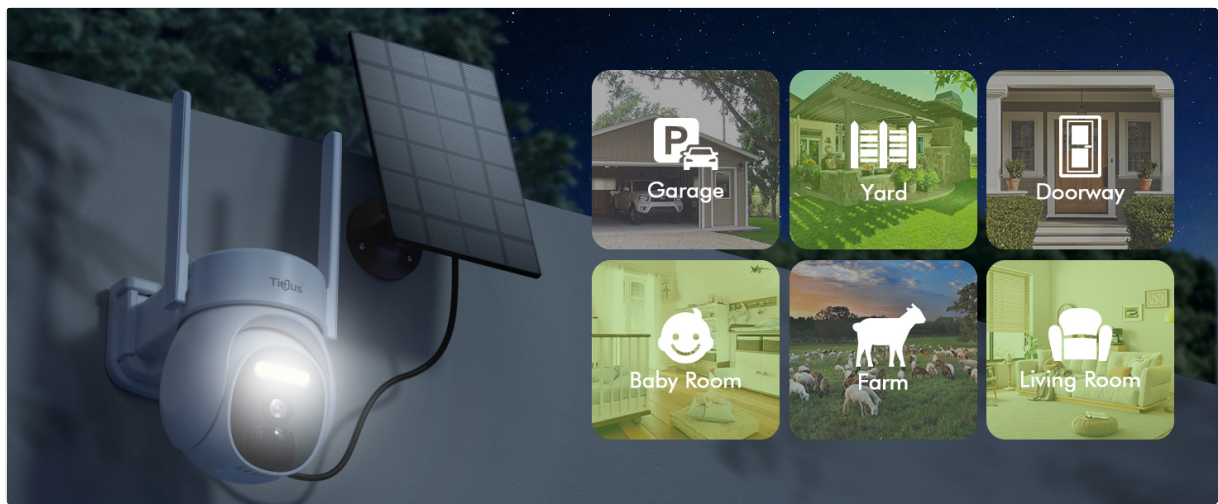


Image: Labeled diagram of the TIEJUS PW1 camera, highlighting key components such as the Wi-Fi antennas, camera lens, PIR sensor, white light, IR lamp, microphone, and indicator light.

- **Wi-Fi Antenna:** For wireless network connection.
- **Bracket:** For mounting the camera.
- **Microphone:** For two-way audio communication.
- **White Light & IR Lamp:** For color night vision and infrared illumination.
- **Indicator:** Status light.
- **PIR Sensor:** Passive Infrared sensor for motion detection.
- **Camera Lens:** Captures video footage.
- **Photosensitive Element:** Detects ambient light for automatic mode switching.

## 4. SETUP

### 4.1 Charging the Camera

Before initial use, ensure the camera's internal battery is fully charged. Connect the solar panel to the camera and place the solar panel in direct sunlight. A minimum of 1.5 hours of direct sunlight per day is recommended for continuous power.

### 4.2 App Installation and Device Pairing

The TIEJUS PW1 camera operates exclusively with the **O-KAM Pro APP**. Download the app from your device's app store (iOS App Store or Android Google Play Store).

1. Download and install the O-KAM Pro APP.
2. Create an account and log in.
3. Follow the in-app instructions to add a new device. This typically involves scanning a QR code located on the camera.
4. Connect the camera to your Wi-Fi network. The camera supports both 2.4GHz and 5GHz Wi-Fi signals.

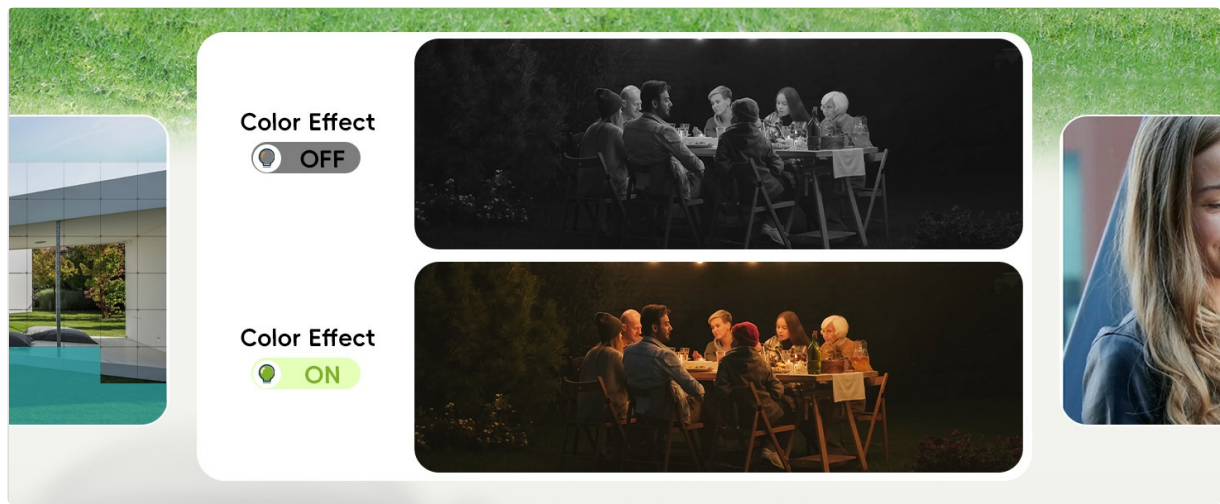


Image: Visual guide demonstrating the four-step process for connecting and installing the camera using the O-KAM Pro app, from download to live view.

### 4.3 Mounting the Camera

The camera is designed for wall mounting. Choose a location that provides the desired viewing angle and ensures the solar panel receives adequate direct sunlight throughout the day. Use the provided mounting screws to securely attach the camera and solar panel bracket to a stable surface.

# Install Once, Use Forever

**365days** non-stop power



Wireless



Solar Powered



Battery Powered



Image: The TIEJUS PW1 camera and its solar panel are shown mounted on an exterior wall, illustrating its wireless, solar-powered, and battery-powered capabilities for continuous operation.

## 5. OPERATING INSTRUCTIONS

### 5.1 Wi-Fi Connectivity

The TIEJUS PW1 camera supports both 2.4GHz and 5GHz Wi-Fi networks, offering improved stability and speed. Ensure your router is configured to allow connections on both frequencies for optimal performance.

## 5GHz & 2.4GHz WiFi

Upgraded dual-band wifi,  
improved stability and speed



Image: The camera is depicted with visual indicators for both 2.4GHz and 5GHz Wi-Fi signals, emphasizing its dual-band connectivity for enhanced network performance.

### 5.2 Live View and PTZ Control

Access the live feed through the O-KAM Pro APP. You can remotely control the camera's pan (355° horizontally) and tilt (100° vertically) functions to achieve a 360° wide vision without blind spots.

# 355° Pan & 100° Tilt

Wide field of view to see any you want

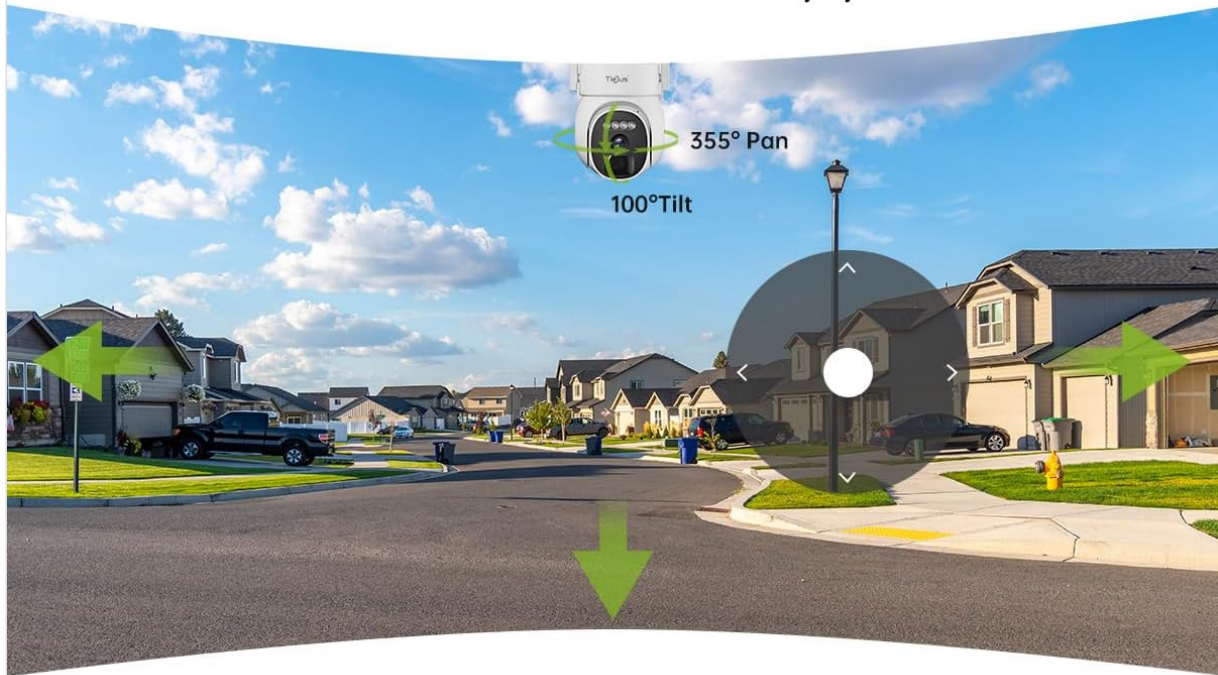


Image: A smartphone displays the live feed from the camera, demonstrating the 355° pan and 100° tilt functionality to cover a wide outdoor area, such as a street with houses.

## 5.3 Video Quality and Night Vision

The camera records in 2K HD resolution, providing clear and detailed images. It features color night vision, allowing for enhanced visibility and detail in low-light conditions compared to traditional black and white infrared night vision.

## Color Night Vision

3MP image quality, see more clearly at night



# 2K Resolution

Image: An illustration of the camera's color night vision capability, showing a clear and vibrant scene of a person and a dog near a campfire at night, alongside a '2K Resolution' label.

### 5.4 Motion Detection and Alerts

The camera utilizes a combination of PIR and AI algorithms for human detection, reducing false alarms. When suspicious activity is detected, the camera can trigger a siren, activate a spotlight, and send instant alerts via the O-KAM Pro APP and email. You can customize alarm schedules, notification sounds, activity areas, and PIR sensitivity within the app.



Image: This graphic illustrates the camera's human auto-tracking feature, depicting a child and a dog in a yard with visual cues for instant alerts, including a siren, spotlight, and two notification methods (O-KAM Pro APP and E-Mail).

### 5.5 Two-Way Audio

The integrated microphone and speaker allow for two-way audio communication. You can speak through the camera to visitors or deter intruders directly from your smartphone.

### 5.6 Recording and Storage

The camera offers two storage options:

- **Cloud Storage:** Provides 3 days of free rotating cloud storage with encrypted data and privacy protection.
- **Local Storage:** Supports a 16-256GB memory card (not included) for local video storage.



Image: This graphic illustrates the two available storage modes for the camera: a cloud icon representing 3-day free cycle cloud storage and a detailed view of the camera's memory card slot supporting 16-256GB cards (not included).

### 5.7 Smart Home Integration

The TIEJUS PW1 camera is compatible with Amazon Alexa. You can use voice commands to view your camera feed on compatible Alexa-enabled devices.



Image: An Amazon Echo Show device displays the live camera feed of a yard, demonstrating the camera's compatibility with Alexa through voice commands like "Alexa, show me the yard."

### 5.8 Device Sharing

You can share access to your camera with family members or trusted individuals through the O-KAM Pro APP, allowing multiple users to view the security feed simultaneously.

## 6. MAINTENANCE

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- **Cleaning:** Regularly clean the camera lens and solar panel with a soft, damp cloth to ensure clear image quality and efficient solar charging. Avoid abrasive cleaners.
- **Battery Care:** The solar panel is designed to keep the battery charged. If the camera is installed in an area with limited sunlight, occasional manual charging via a USB power adapter (not included) may be necessary.
- **Firmware Updates:** Check the O-KAM Pro APP periodically for available firmware updates. Keeping the firmware updated ensures optimal performance, security, and access to new features.
- **Weather Protection:** The camera is IP66 weatherproof, designed to withstand various weather conditions from -13°F to 140°F (-25°C to 60°C). Ensure proper installation to prevent water ingress.



Image: The TIEJUS PW1 camera and solar panel are depicted enduring sunny, rainy, and snowy weather, highlighting its IP66 weatherproof rating and operational temperature range of -13°F to 140°F (-25°C to 60°C).

## 7. TROUBLESHOOTING

If you encounter issues with your TIEJUS PW1 camera, refer to the following common problems and solutions:

- **Camera not connecting to Wi-Fi:** Ensure the camera is within range of your Wi-Fi router. Verify that you have selected the correct Wi-Fi network (2.4GHz or 5GHz) and entered the password accurately. Restart your router and the camera, then attempt pairing again.
- **Delayed notifications or app issues:** Ensure your smartphone has a stable internet connection. Check for updates to the O-KAM Pro APP and the camera's firmware. If issues persist (e.g., blank

screen, incorrect camera view), try closing and reopening the app, or reinstalling it. A strong Wi-Fi signal at the camera's location is crucial for timely alerts.

- **Motion detection not working or too sensitive:** Adjust the PIR sensitivity settings within the O-KAM Pro APP. Define specific activity zones to focus detection on critical areas and reduce unwanted alerts. Ensure there are no obstructions blocking the PIR sensor.
- **Battery not charging:** Confirm the solar panel is connected correctly and positioned to receive at least 1.5 hours of direct sunlight daily. Clean the solar panel surface to remove any dirt or debris that may hinder charging efficiency.
- **Poor image quality:** Clean the camera lens. Ensure there are no obstructions in the camera's field of view. Check your Wi-Fi signal strength, as a weak signal can affect streaming quality.
- **Two-way audio not functioning:** Check the microphone and speaker settings in the O-KAM Pro APP. Ensure your phone's volume is up and the camera's microphone/speaker are not muted.

For further assistance, please contact customer support.

## 8. SPECIFICATIONS

| Feature                           | Specification                                                       |
|-----------------------------------|---------------------------------------------------------------------|
| Model Name                        | PW1                                                                 |
| Brand                             | TIEJUS                                                              |
| Indoor/Outdoor Usage              | Outdoor                                                             |
| Power Source                      | Solar Powered, Battery Powered                                      |
| Connectivity Technology           | Wireless (Wi-Fi)                                                    |
| Connectivity Protocol             | Bluetooth, Wi-Fi                                                    |
| Wireless Communication Technology | Wi-Fi (2.4GHz/5GHz Dual-Band)                                       |
| Video Capture Resolution          | 2K                                                                  |
| PTZ Capabilities                  | 355° Pan, 100° Tilt                                                 |
| Night Vision                      | Color Night Vision, 65 Feet Range                                   |
| Audio                             | 2-Way Audio                                                         |
| Weatherproof Rating               | IP66                                                                |
| Operating Temperature             | -13°F to 140°F (-25°C to 60°C)                                      |
| Storage Options                   | 3-Day Free Cycle Cloud Storage, 16-256GB Memory Card (Not included) |
| Controller Type                   | Amazon Alexa, Android                                               |
| Mounting Type                     | Wall Mount                                                          |
| Product Dimensions                | 7.3 x 5.5 x 6.1 inches                                              |
| Item Weight                       | 1.85 pounds                                                         |

## 9. WARRANTY AND SUPPORT

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The TIEJUS PW1 camera comes with the manufacturer's standard warranty. Please refer to the product packaging or contact customer support for specific warranty terms and conditions.

For technical support, troubleshooting assistance, or any inquiries regarding your product, please contact TIEJUS customer service:

**Online Chat:** 8 AM - 11 PM EST

**Phone:** (+1) 2692189888 (8 AM - 11 PM EST)

**Email:** Tech@tiejus.com



Image: A graphic detailing TIEJUS customer service options, including online chat, a phone number (+1 2692189888), and an email address (Tech@tiejus.com), along with their operating hours.