

## V380PRO

# V380 Pro WiFi Camera User Manual

Model: V380PRO

## 1. INTRODUCTION

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This user manual provides comprehensive instructions for the installation, operation, and maintenance of your V380 Pro WiFi Camera. This 4MP Outdoor/Indoor Solar PTZ Camera is designed to provide reliable surveillance with advanced features such as 2560 x 1440 video resolution, motion alerts, and solar power capabilities. Please read this manual thoroughly before using the product to ensure proper setup and optimal performance.

### Product Features:

- **High-Resolution Video:** Captures crisp 2560 x 1440 (4MP) video footage.
- **Solar Powered:** Equipped with a solar panel and built-in 8000mAh battery for continuous operation.
- **Pan-Tilt-Zoom (PTZ):** Offers a wide viewing angle with 270° horizontal and 90° vertical rotation.
- **Dual Detection System:** Features PIR and radar dual induction for accurate motion detection and reduced false alarms.
- **Two-Way Audio:** Allows for clear communication through the camera.
- **Night Vision:** Provides clear surveillance up to 100 feet in low-light conditions with Night Color technology.
- **Weatherproof Design:** IP66 rated for outdoor use, resistant to rain, snow, and dust.
- **Wireless Connectivity:** Connects via Wi-Fi for remote monitoring via smartphone or computer.

## 2. PACKAGE CONTENTS

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Please check the package carefully to ensure all items are present and in good condition.

- V380 Pro WiFi Camera Unit
- Solar Panel
- Mounting Bracket and Screws
- User Manual (this document)
- (Other accessories as included by manufacturer)

## 3. PRODUCT OVERVIEW

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Familiarize yourself with the main components of your V380 Pro WiFi Camera.



**Figure 3.1:** Front view of the V380 Pro WiFi Camera showing the main camera unit and attached solar panel. This image illustrates the overall design and primary components.

# Solar charging built-in battery

The camera can be detached with a large-capacity battery, and the top solar Panel is converted into energy by absorption and heat absorption to power The battery without connecting the power supply Easy navigation



**Figure 3.2:** The V380 Pro WiFi Camera demonstrating its solar charging capability. The solar panel converts sunlight into energy to power the built-in battery, ensuring continuous operation.

## Key Components:

- **Main Camera Body:** Contains the lens, sensors, and internal electronics.
- **Solar Panel:** Charges the internal battery using sunlight.
- **PTZ Mechanism:** Allows for remote control of camera direction.
- **Microphone & Speaker:** For two-way audio communication.
- **Infrared LEDs:** For night vision functionality.
- **PIR Sensor:** Passive Infrared sensor for motion detection.

## 4. SETUP

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### 4.1 Installation Location

Choose a suitable location for your camera. The V380 Pro is designed for both indoor and outdoor use and is wall-mountable. For

optimal solar charging, ensure the solar panel receives direct sunlight for several hours a day. Avoid locations with obstructions that might block the view or sunlight.

## 4.2 Physical Installation

1. **Prepare the Mounting Surface:** Identify a sturdy wall or surface where the camera will be mounted.
2. **Mark Drill Holes:** Use the mounting bracket as a template to mark the positions for drilling.
3. **Drill Holes:** Drill pilot holes at the marked positions.
4. **Secure the Bracket:** Attach the mounting bracket to the wall using the provided screws.
5. **Attach the Camera:** Securely attach the camera unit to the mounted bracket. Ensure the solar panel is positioned to maximize sun exposure.

## 4.3 App Setup and Wi-Fi Connection

1. **Download the App:** Search for "V380 Pro" in your smartphone's app store (iOS or Android) and download the official application.
2. **Register an Account:** Open the app and follow the on-screen instructions to register a new account or log in if you already have one.
3. **Add Device:** Tap the "+" icon or "Add Device" option in the app.
4. **Select Camera Type:** Choose the appropriate camera type (e.g., "Smart Camera" or "Wi-Fi Camera").
5. **Connect to Wi-Fi:** Follow the app's prompts to connect the camera to your home Wi-Fi network. This typically involves scanning a QR code displayed on your phone with the camera, or entering Wi-Fi credentials. Ensure your Wi-Fi network is 2.4GHz, as 5GHz networks may not be supported.
6. **Name Your Camera:** Assign a name to your camera for easy identification (e.g., "Front Door Camera," "Backyard").
7. **Initial Configuration:** Adjust initial settings such as time zone, video quality, and motion detection sensitivity as prompted by the app.

## 5. OPERATING INSTRUCTIONS

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### 5.1 Live View and Recording

- **Access Live View:** Open the V380 Pro app and select your camera from the device list to view the live feed.
- **Manual Recording:** Tap the record button in the app to start or stop manual video recording. Recordings are saved to your phone or the camera's inserted storage (if applicable).
- **Playback:** Access recorded footage through the "Playback" or "History" section in the app.

### 5.2 Pan-Tilt Control

The camera features a versatile pan-tilt mechanism allowing you to adjust its viewing angle remotely.



**Figure 5.1:** Illustration of the V380 Pro WiFi Camera's pan (horizontal) and tilt (vertical) movement capabilities, showing a 350° horizontal and 90° vertical range.

- **Control:** In the live view interface of the app, use the directional controls (joystick or arrows) to pan the camera horizontally (up to 270°) and tilt it vertically (up to 90°).
- **Presets:** Some models allow setting preset positions for quick navigation. Refer to the app's specific features.

### 5.3 Motion Detection and Alerts

The camera utilizes a dual PIR and radar induction system for accurate motion detection.

- **Enable/Disable:** Navigate to the camera settings in the app to enable or disable motion detection.
- **Sensitivity:** Adjust the motion detection sensitivity level to minimize false alarms.
- **Alerts:** Configure push notifications to receive alerts on your smartphone when motion is detected.

### 5.4 Two-Way Audio

- **Speak:** In the live view, tap the microphone icon to speak through the camera's speaker. Release the icon to listen.

- **Listen:** Ensure the speaker icon in the app is enabled to hear audio from the camera's microphone.

## 5.5 Night Vision

The camera automatically switches to night vision mode in low-light conditions, providing clear black and white or color night vision (Night Color technology) up to 100 feet.

- **Automatic Activation:** Night vision activates automatically based on ambient light levels.
- **Manual Control:** Some app versions may offer manual control over night vision modes (e.g., IR only, full color).

## 6. MAINTENANCE

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### 6.1 Cleaning the Camera

- **Lens:** Gently wipe the camera lens with a soft, lint-free cloth. For stubborn dirt, use a lens cleaning solution designed for optical surfaces.
- **Body:** Clean the camera body and solar panel with a damp cloth. Do not use harsh chemicals or abrasive cleaners.
- **Frequency:** Clean the camera periodically, especially if installed outdoors, to ensure clear image quality and efficient solar charging.

### 6.2 Battery Care

The camera features a built-in 8000mAh battery charged by the solar panel.

- **Solar Panel Position:** Regularly check that the solar panel is free from dirt, leaves, or snow to ensure maximum sun exposure and charging efficiency.
- **Battery Level:** Monitor the battery level through the V380 Pro app. If the battery consistently runs low, consider repositioning the solar panel or camera for better sunlight.
- **Extreme Temperatures:** While designed for outdoor use, prolonged exposure to extreme temperatures (very hot or very cold) can affect battery life.

## 7. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Camera not connecting to Wi-Fi	Incorrect Wi-Fi password; Camera too far from router; 5GHz Wi-Fi network used; Router firewall settings.	<ul style="list-style-type: none"> <li>Double-check Wi-Fi password.</li> <li>Move camera closer to the router or use a Wi-Fi extender.</li> <li>Ensure you are connecting to a 2.4GHz Wi-Fi network.</li> <li>Check router settings for any restrictions or firewalls.</li> <li>Restart the camera and router.</li> </ul>
Poor video quality	Dirty lens; Insufficient network bandwidth; Low light conditions.	<ul style="list-style-type: none"> <li>Clean the camera lens.</li> <li>Ensure stable and strong Wi-Fi signal.</li> <li>Adjust video quality settings in the app to a lower resolution if bandwidth is limited.</li> <li>Verify night vision is functioning correctly in low light.</li> </ul>

Problem	Possible Cause	Solution
Motion alerts not received or too frequent	Motion detection disabled; Incorrect sensitivity settings; App notification settings.	<p>Enable motion detection in the app settings.</p> <p>Adjust motion detection sensitivity (lower for fewer alerts, higher for more).</p> <p>Check your phone's notification settings for the V380 Pro app.</p>
Battery not charging or draining quickly	Insufficient sunlight on solar panel; Dirty solar panel; Extreme temperatures.	<p>Ensure solar panel receives direct sunlight for several hours daily.</p> <p>Clean the solar panel surface.</p> <p>Consider repositioning the camera/panel for better sun exposure.</p> <p>Avoid prolonged exposure to extreme temperatures.</p>
Two-way audio not working	Microphone/speaker muted in app; Volume too low; Network issues.	<p>Check microphone and speaker icons in the app's live view.</p> <p>Increase volume on your smartphone.</p> <p>Ensure stable network connection.</p>

## 8. SPECIFICATIONS

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Figure 8.1: The V380 Pro WiFi Camera highlighting its IP66 waterproof rating, indicating its resilience against various weather conditions including rain, snow, and hot days.

<b>Model Name</b>	V380PRO
<b>Video Resolution</b>	2560 x 1440 (4MP)
<b>Sensor Type</b>	CMOS
<b>Video Encoding</b>	H.265
<b>Frame Rate</b>	30 frames per second
<b>Pan-Tilt Range</b>	Horizontal: 270°, Vertical: 90°
<b>Night Vision Range</b>	Up to 100 feet (with Night Color technology)
<b>Power Source</b>	Solar Powered with 8000mAh Built-in Battery

<b>Connectivity</b>	Wi-Fi (2.4GHz)
<b>Water Resistance</b>	IP66 (Waterproof)
<b>Motion Detection</b>	PIR and Radar Dual Induction
<b>Audio</b>	Two-Way Audio
<b>Dimensions (L x W x H)</b>	10 x 7.5 x 5.5 inches
<b>Weight</b>	3 pounds
<b>Material</b>	Plastic
<b>Operating Temperature</b>	(Not specified, general range for outdoor electronics)

## 9. WARRANTY AND SUPPORT

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For warranty information, please refer to the specific terms provided at the time of purchase or contact your retailer.

### Customer Support:

If you encounter any issues or have questions regarding your V380 Pro WiFi Camera, please contact the manufacturer or your point of purchase for assistance.

- **Manufacturer:** Shenzhen Aimu Electronics Co., Ltd.
- **Online Resources:** Check the V380 Pro app or the manufacturer's website for FAQs, updated manuals, and firmware.

