QDVOPHZA TQ6

QDVOPHZA WiFi PTZ Camera Outdoor Wireless Solar IP Camera 4MP HD (Model TQ6) User Manual

Your comprehensive guide to setup, operation, and maintenance.

1. Introduction

Thank you for choosing the QDVOPHZA WiFi PTZ Camera. This outdoor wireless solar IP camera is designed to provide reliable and high-definition video surveillance for your property. Featuring 4MP resolution, pan-tilt-zoom (PTZ) capabilities, solar power, and intelligent motion detection, this camera offers advanced security monitoring. This manual will guide you through the installation, operation, and maintenance of your new camera.

2. Product Overview

The QDVOPHZA WiFi PTZ Camera is an advanced surveillance solution with a built-in battery and a solar panel for continuous power. It offers 4MP HD video quality, two-way audio, night vision, and is designed to be waterproof for outdoor use.

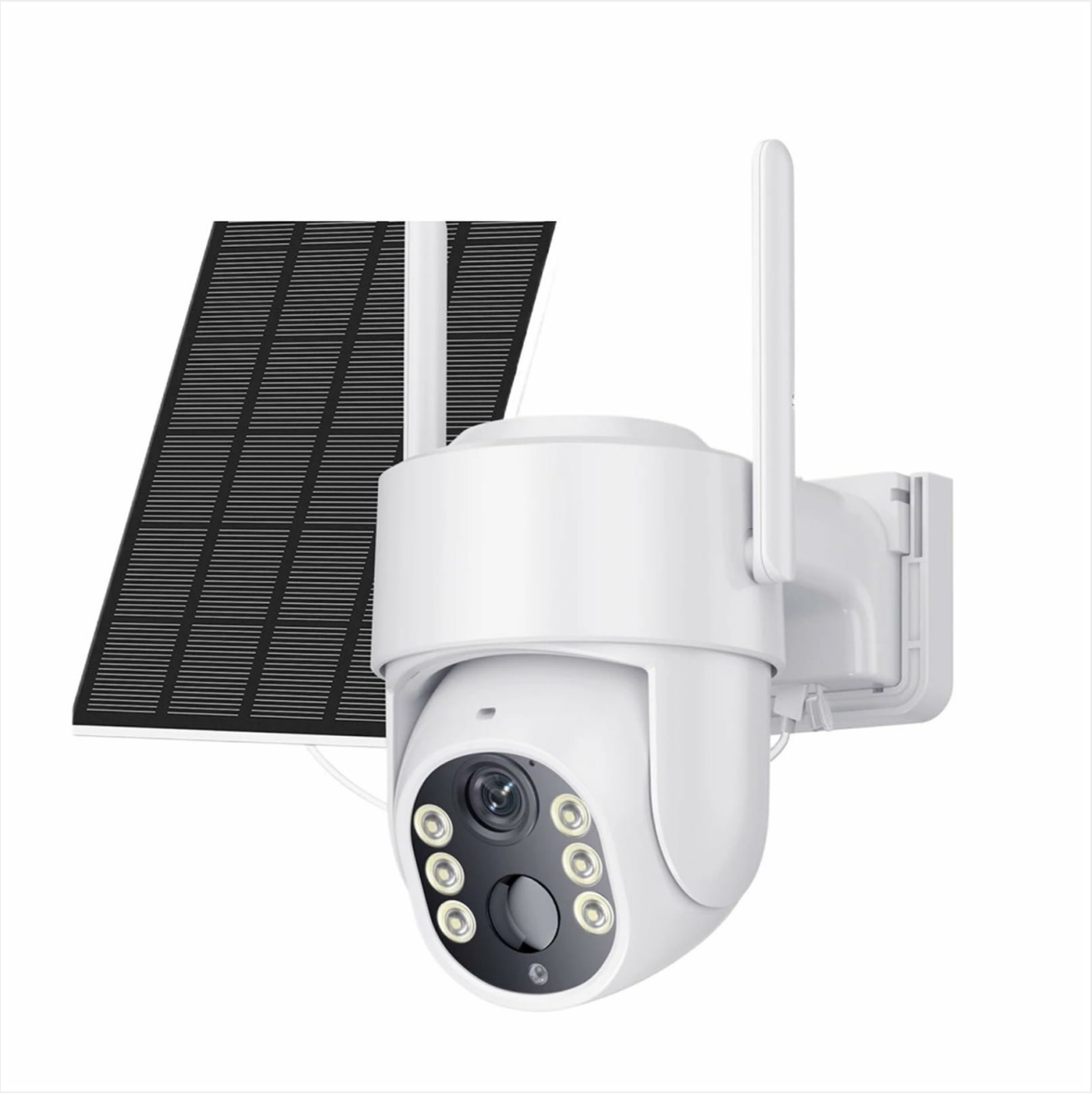

Image 2.1: Overview of the QDVOPHZA Solar Battery Camera, highlighting the solar panel, battery, and key features like solar charging, audio, night vision, cloud storage, battery power, and waterproof design.

2.1 Package Contents and Components

Before installation, please verify that all components are present in the package.

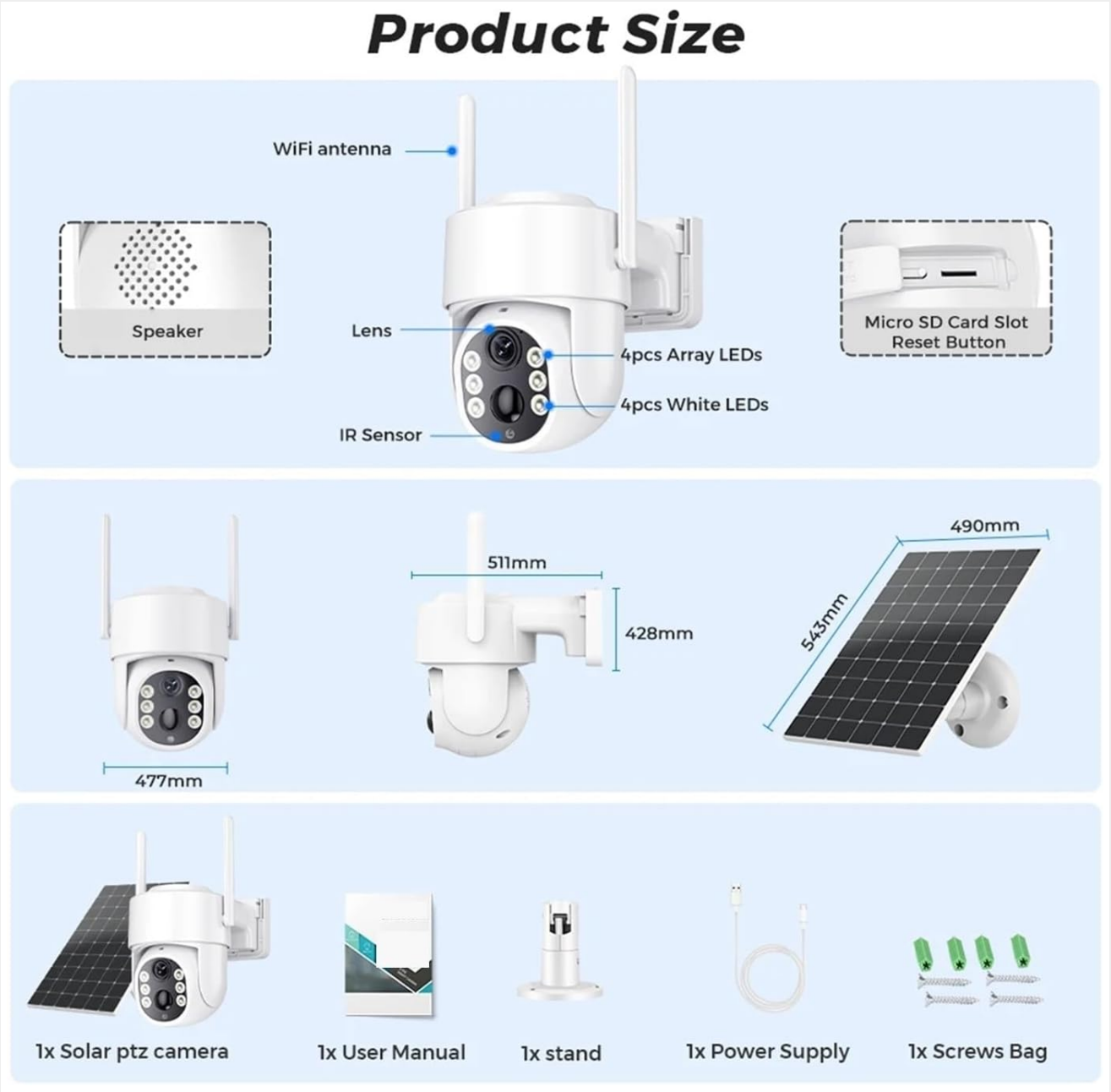

Image 2.2: Detailed view of the camera's components including WiFi antenna, speaker, lens, array LEDs, IR sensor, and Micro SD card slot/reset button. Also shown are the package contents: 1x Solar PTZ Camera, 1x User Manual, 1x Stand, 1x Power Supply, and 1x Screws Bag.

- **Camera Components:** WiFi antenna, Speaker, Lens, 4pcs Array LEDs, 4pcs White LEDs, IR Sensor, Micro SD Card Slot, Reset Button.
- **Package Contents:** 1x Solar PTZ Camera, 1x User Manual, 1x Stand, 1x Power Supply, 1x Screws Bag.

3. Specifications

Feature	Specification
Model Number	TQ6
Resolution	4MP HD
Connectivity	WIFI (2.4Ghz only)
Lens (mm)	3.6mm

Feature	Specification
Viewing Angle	360° (Pan/Tilt/Zoom)
Installation	Side (Wall/Ceiling Mount)
Power Supply	Battery Powered, Solar Powered (Built-in 7800mAh battery, 5W Solar Panel)
Storage	Max 128G TF Card, Cloud Storage
Alarm Action	FTP Photo, Email Photo, Local Alarm
AI Functions	Human Detection (PIR)
Two-Way Audio	Support
Waterproof Rating	IP66
Supported Mobile Systems	IOS, Android
Color	White

4. Setup Guide

4.1 Initial Charging

Although the camera is solar-powered, it is recommended to fully charge the built-in 7800mAh battery using the provided power adapter before the first use. This ensures optimal performance from the start. A full charge can provide up to 180 days of standby time.

4.2 App Installation and Account Creation

1. Download the recommended surveillance application from your mobile device's app store (e.g., Google Play Store for Android or Apple App Store for iOS). Refer to the packaging or quick start guide for the specific app name.
2. Install the application and create a new user account. Follow the on-screen prompts to complete the registration process.

4.3 Network Connection

The camera supports 2.4GHz WiFi networks only. It does not support 5Ghz WiFi. Ensure your router is broadcasting a 2.4GHz signal.

1. Open the installed application and select "Add Device" or the '+' icon.
2. Follow the in-app instructions to connect your camera to your home WiFi network. This typically involves scanning a QR code on the camera or entering your WiFi credentials.
3. Wait for the camera to connect to the network. A voice prompt or LED indicator on the camera will confirm a successful connection.

4.4 Mounting the Camera

The QDVOPHZA PTZ camera is designed for outdoor use with an IP66 waterproof rating, making it resistant to rain, snow, and wind. Choose a location that provides optimal surveillance coverage and receives adequate sunlight for the solar panel.

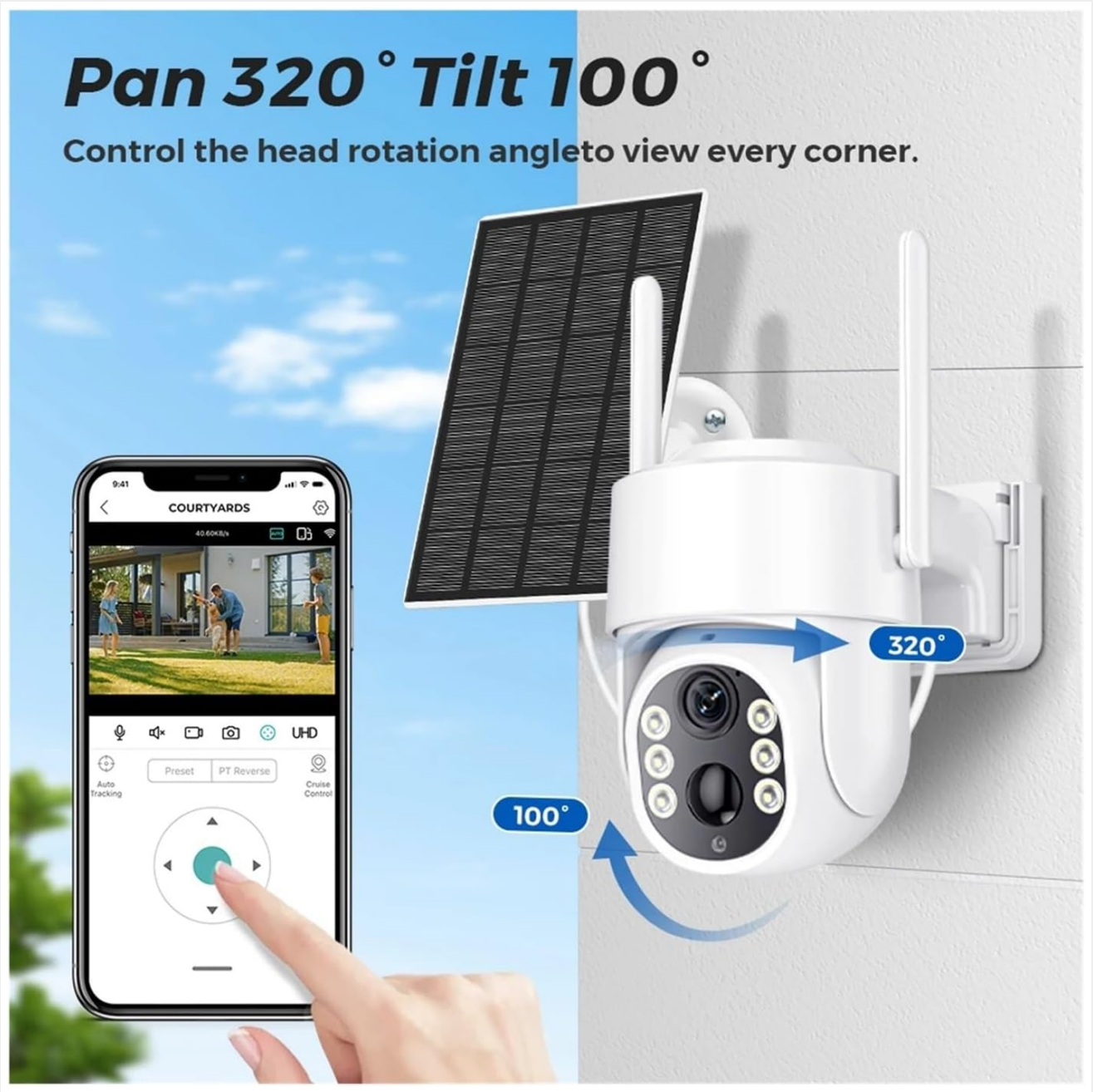

Image 4.1: The QDVOPHZA PTZ camera mounted outdoors, demonstrating its IP66 waterproof, snowproof, and anti-exposure capabilities, protecting your security in various weather conditions.

1. **Select a Location:** Identify a mounting spot that offers a clear view of the area you wish to monitor and ensures the solar panel receives direct sunlight for several hours a day.
2. **Drill Holes:** Use the provided mounting template (if available) or mark the positions for drilling. Drill pilot holes for the screws.
3. **Secure the Mount:** Attach the camera stand to the wall or mounting surface using the screws and anchors provided in the screws bag.
4. **Attach the Camera:** Securely attach the camera to the mounted stand. Adjust the angle of the solar panel to maximize sun exposure.

5. Operating Instructions

5.1 Live View and PTZ Control

Access the live video feed through the mobile application. The camera features Pan 320° and Tilt 100° rotation, allowing you to adjust the viewing angle remotely.

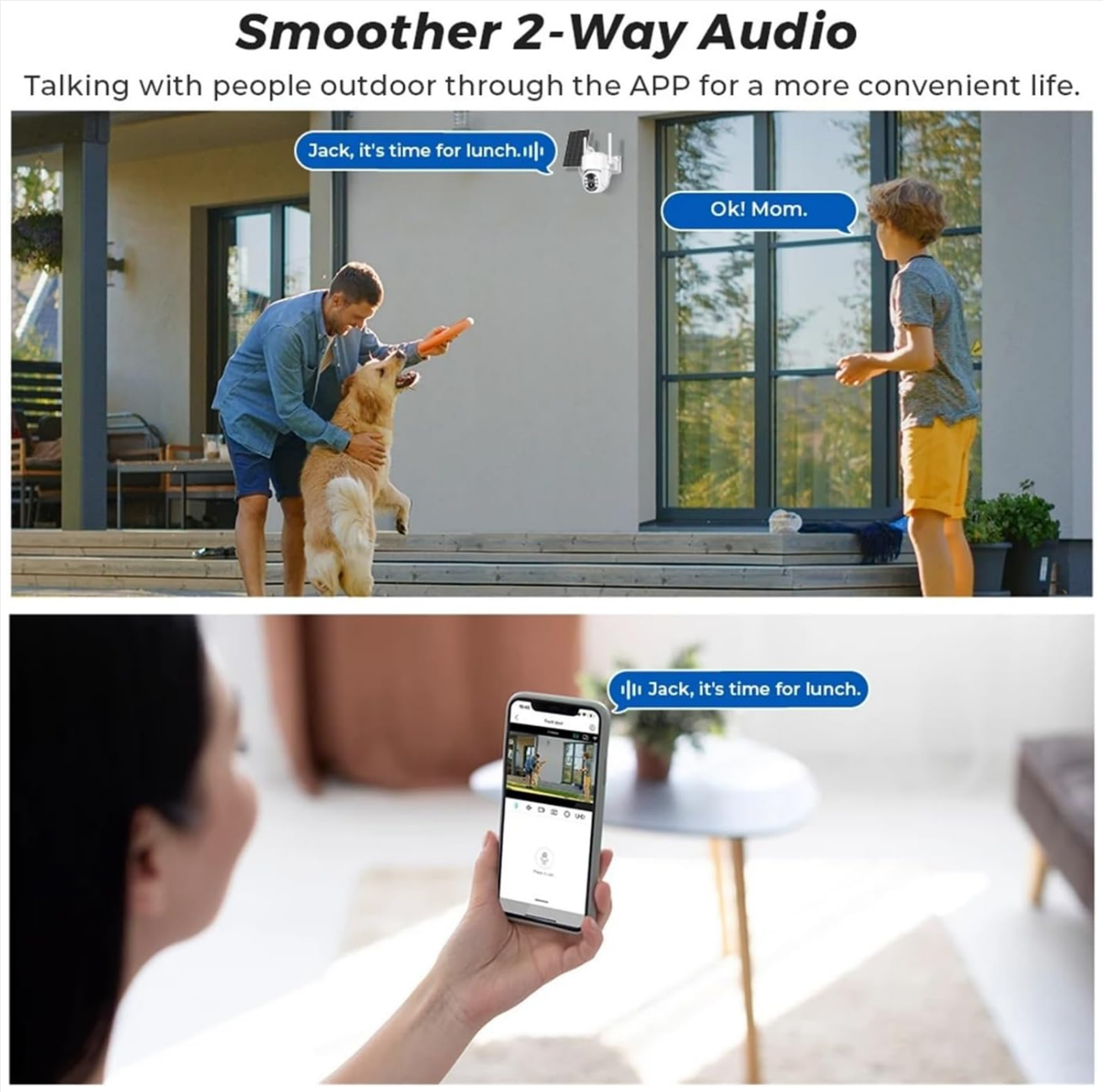

Image 5.1: The mobile application interface demonstrating the Pan 320° and Tilt 100° control, allowing users to remotely adjust the camera's head rotation to view every corner of the monitored area.

1. Open the app and select your camera from the device list to view the live feed.
2. On the live view screen, use the directional controls (usually a joystick or arrow buttons) to pan (rotate horizontally) and tilt (rotate vertically) the camera.
3. If available, use the pinch-to-zoom gesture on the screen to digitally zoom in or out of the video feed.

5.2 Two-Way Audio

The camera supports two-way audio, allowing you to communicate with individuals near the camera through the app.

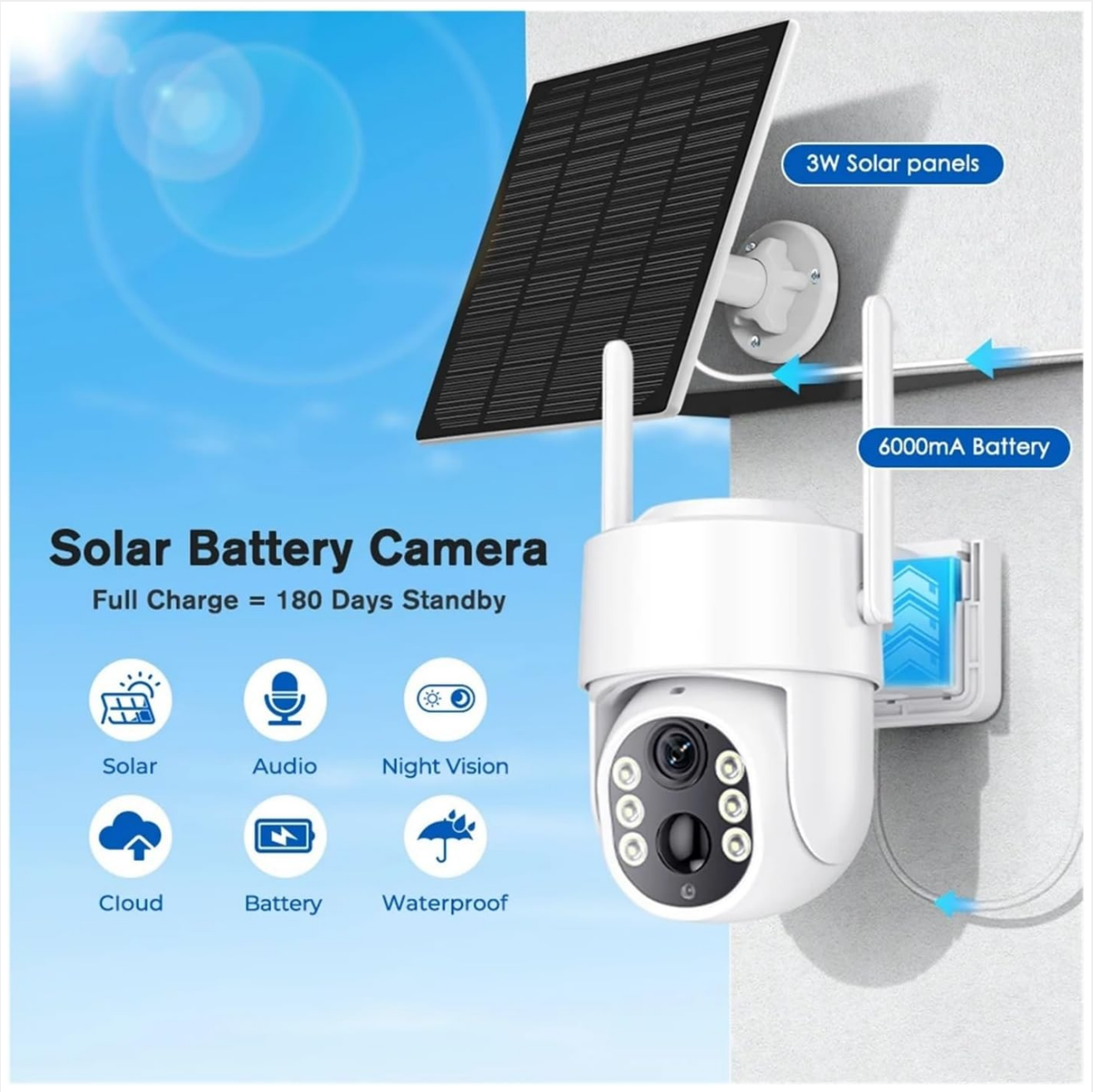

Image 5.2: A user interacting with someone outdoors via the camera's two-way audio feature, facilitating convenient communication through the mobile application.

1. While in live view, tap the microphone icon in the app to speak. Your voice will be transmitted through the camera's speaker.
2. Release the microphone icon to listen for a response.

5.3 Intelligent PIR Human Motion Detection

The camera is equipped with Passive Infrared (PIR) human motion detection, which accurately identifies human movement and reduces false alarms from animals or environmental factors.

1. Enable motion detection in the camera settings within the app.
2. Adjust sensitivity levels as needed to optimize detection performance.
3. When human motion is detected, the camera will send real-time alerts to your mobile device via the app.

5.4 Recording and Storage

The camera supports local storage via a Micro SD card (up to 128GB) and cloud storage options.

1. **Micro SD Card:** Insert a formatted Micro SD card into the designated slot on the camera. The camera will automatically begin recording based on your settings (e.g., continuous, motion-triggered).
2. **Cloud Storage:** If available, subscribe to the cloud storage service through the app for secure off-site storage of your recordings.
3. Review recorded footage through the playback function in the mobile application.

5.5 Night Vision

The camera features advanced night vision capabilities with IR sensors and LEDs, providing clear surveillance even in low-light or complete darkness.

- The camera automatically switches to night vision mode when ambient light levels are low.
- The 4pcs Array LEDs and 4pcs White LEDs enhance visibility, offering both infrared (black and white) and color night vision options depending on the model and settings.

6. Maintenance

6.1 Cleaning the Camera and Solar Panel

Regular cleaning ensures optimal performance and longevity of your camera.

- Gently wipe the camera lens and solar panel with a soft, damp cloth to remove dust, dirt, or debris.
- Avoid using harsh chemicals or abrasive materials that could scratch the lens or panel surface.
- Ensure the solar panel is free from obstructions (e.g., leaves, snow) to maintain efficient charging.

6.2 Battery Care

The built-in battery is designed for long-term use with solar charging. To maximize battery life:

- Ensure the solar panel receives adequate sunlight daily.
- If the camera is installed in an area with consistently low sunlight, periodically charge the camera using the power adapter to prevent deep discharge.

7. Troubleshooting

7.1 Camera Not Connecting to WiFi

- Ensure your WiFi network is 2.4GHz. The camera does not support 5Ghz networks.
- Check your WiFi password for accuracy.
- Move the camera closer to your WiFi router to improve signal strength.
- Restart your router and the camera.

7.2 No Live View or Recording

- Verify the camera is powered on and connected to WiFi.
- Check the battery level in the app. If low, ensure the solar panel is receiving sunlight or charge via the power adapter.
- Ensure the Micro SD card is correctly inserted and not full. Format the card if necessary.
- Check your internet connection on your mobile device.

7.3 Motion Detection Not Working or Too Many False Alarms

- Ensure PIR motion detection is enabled in the app settings.
- Adjust the motion detection sensitivity level. Lowering sensitivity can reduce false alarms.
- Ensure there are no obstructions directly in front of the PIR sensor.

7.4 Two-Way Audio Issues

- Check the volume settings on your mobile device and within the app.
- Ensure your mobile device's microphone is enabled for the app.
- Verify there are no physical obstructions blocking the camera's speaker or microphone.

8. Warranty and Support

For specific warranty information and technical support, please refer to the warranty card included with your product or contact QDVOPHZA customer service through the contact information provided on the product packaging or official website. Please have your product model (TQ6) and purchase details ready when contacting support.