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TWSYOXPR A22YQ

TWSYOXPR 10MP 5K Dual Lens PTZ WiFi IP Camera User Manual

Model: A22YQ

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your TWSYOXPR 10MP 5K Dual Lens PTZ WiFi IP Camera. Please read this manual thoroughly before using the product to ensure proper functionality and safety. This camera is designed for both indoor and outdoor surveillance, offering advanced features such as 5K ultra HD resolution, dual-lens monitoring, Pan-Tilt-Zoom (PTZ) capabilities, 5G WiFi connectivity, intelligent human detection and tracking, and enhanced night vision.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, please contact customer support.

- 1X Dual-Lens Camera
- 1X 12V DC Power Supply
- 1X User Manual
- 1X Screw Bag for Installation
- 1X Waterproof Cover
- (Optional: Memory Card, if purchased with the camera)

3. PRODUCT FEATURES

- **10MP 5K Ultra HD Image Quality:** Equipped with 10-megapixel lenses (5MP + 5MP) for clear 5K resolution video.
- **Dual Lens Design:** Expands the monitoring field of view for comprehensive coverage.
- **Flexible PTZ Control:** Supports 355° horizontal pan and 90° vertical tilt for adjustable viewing angles via mobile app.
- **5G High-Speed WiFi Connection:** Ensures real-time, smooth video transmission with reduced latency.
- **Intelligent Human Detection & Tracking:** Automatically identifies human activity, tracks targets, and sends mobile app alerts.
- **Advanced Night Vision:** Features both infrared (IR) and full-color night vision modes for clear monitoring in low-light

conditions up to 30 meters.

- **Two-Way Audio:** Enables real-time communication through the camera via the mobile application.
- **IP66 Weatherproof Rating:** Designed for outdoor use, resistant to dust and water.
- **Multiple Storage Options:** Supports local storage via TF card (up to 128GB) and cloud storage (subscription required).
- **Alarm Actions:** Supports telephone alarms, local alarms, and email alerts.

4. SETUP GUIDE

4.1. Installation Location

Choose a suitable location for your camera, considering the desired monitoring area, power source accessibility, and WiFi signal strength. The camera can be installed on a wall, ceiling, or other flat surfaces. Ensure the mounting surface is sturdy enough to support the camera's weight.

4.2. Mounting the Camera

1. Mark the drilling points on the wall or ceiling using the camera's mounting base as a template.
2. Drill holes at the marked positions.
3. Insert the wall plugs (if necessary) into the drilled holes.
4. Secure the camera's mounting base to the surface using the provided screws.
5. Attach the camera body to the mounting base.

4.3. Power Connection

Connect the provided 12V DC power adapter to the camera's power input port and then plug the adapter into a power outlet. The camera will power on and initiate its startup sequence.

4.4. Network Connection (WiFi)

1. Download the official mobile application (refer to the packaging or quick start guide for app name and QR code) from your device's app store.
2. Register an account and log in.
3. Follow the in-app instructions to add your camera. This typically involves scanning a QR code on the camera or manually entering its device ID.
4. Select your 2.4GHz or 5GHz WiFi network and enter the password. Ensure your mobile device is connected to the same WiFi network during setup.
5. Once connected, the camera's status indicator will change, and you will see the live feed in the app.

5. OPERATING INSTRUCTIONS

5.1. Live View and PTZ Control

Open the mobile application and select your camera to view the live feed. Use the on-screen controls to pan (355° horizontally) and tilt (90° vertically) the camera lens to adjust the viewing angle.

Pan 320° Tilt 90°

360° Coverage with more details for your home



Image: The camera's Pan-Tilt-Zoom (PTZ) functionality allows for 320° horizontal rotation and 90° vertical tilt, providing extensive coverage controlled remotely via a mobile application, as shown with a smartphone displaying the live feed.

5.2. Night Vision Modes

The camera automatically switches to night vision in low-light conditions. You can typically choose between:

- **Infrared (IR) Night Vision:** Provides clear black and white video in complete darkness.
- **Color Night Vision (Smart Spotlight):** Activates built-in spotlights to provide full-color video at night when motion is detected or manually enabled.

With Smart Spotlight

See clear live video at all times



Image: Illustration of the camera's smart spotlight feature, enabling both color night vision and traditional IR night view for clear surveillance in various lighting conditions.

5.3. Two-Way Audio

To use the two-way audio feature, tap the microphone icon in the live view interface of the app. You can speak into your phone, and your voice will be transmitted through the camera's speaker. Tap the speaker icon to listen to audio from the camera's microphone.

Two-way Audio

Clear voices and real-time dialog



Push message



Voice intercom



Mommy, I'm home.

Good baby.

Image: A smartphone screen demonstrating the two-way audio function, allowing users to send push messages and engage in voice intercom with the camera's vicinity.

5.4. Motion Detection and Tracking

The camera features AI-powered human detection and automatic tracking. When human motion is detected, the camera will:

- Automatically track the moving subject within its field of view.
- Send instant alerts to your mobile application.
- Initiate recording (if configured).

You can adjust motion detection sensitivity and alert settings within the app.

Ai Motion Sensor

Support smart motion detection and instant alerts



Image: The camera's AI motion sensor detects human presence, triggering instant alerts to a smartphone, as depicted by a person approaching a gate and a notification appearing on the phone.

5.5. Recording and Storage

The camera supports two primary storage methods:

- **TF Card Storage:** Insert a TF (microSD) card (up to 128GB, Class 10 or higher recommended) into the designated slot on the camera. The camera will automatically record events or continuous video based on your settings.
- **Cloud Storage:** A cloud storage service is available, typically requiring a subscription. This allows for off-site storage of your video recordings, providing an additional layer of security. Refer to the app for subscription details.

You can review recorded footage directly through the mobile application.

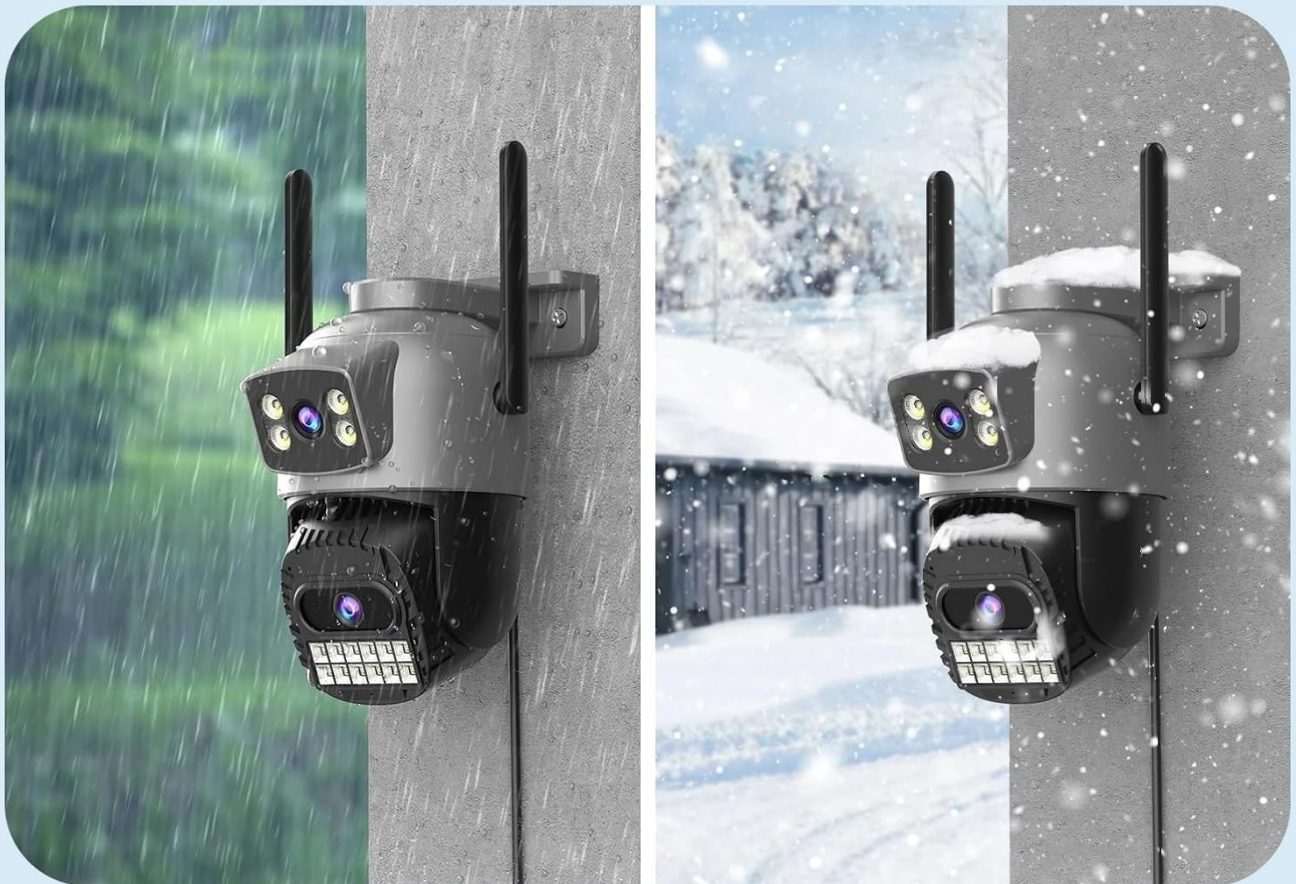
6. MAINTENANCE

- **Cleaning:** Regularly wipe the camera lens and body with a soft, dry cloth to remove dust and dirt. Do not use harsh chemicals or abrasive cleaners.
- **Firmware Updates:** Check the mobile application periodically for available firmware updates. Keeping your camera's firmware up-to-date ensures optimal performance and security.

- **Power Supply:** Ensure the power adapter and cable are not damaged. Replace immediately if any damage is observed.
- **Environmental Protection:** While the camera is IP66 weatherproof, avoid direct exposure to extreme weather conditions for prolonged periods if possible, to extend its lifespan.

IP66 Waterproof Suitable For Outdoor

No Fear of Any Bad Weather.



IP66

-30°C



50°C

Image: The camera is shown enduring heavy rain and snow, illustrating its IP66 waterproof rating and suitability for outdoor use in various weather conditions.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera offline/No live view	No power; Weak WiFi signal; Incorrect WiFi password; Router issue.	Check power connection; Move camera closer to router or use a WiFi extender; Re-enter WiFi password in app; Restart router.

Problem	Possible Cause	Solution
Motion detection not working	Detection settings off; Sensitivity too low; Obstructions in view.	Enable motion detection in app; Increase sensitivity; Clear obstructions.
Poor image quality	Dirty lens; Low bandwidth; Insufficient lighting.	Clean the lens; Ensure stable internet connection; Use appropriate night vision mode.
Cannot connect to 5G WiFi	Router not broadcasting 5G; Camera too far from 5G router.	Verify router supports 5G and it's enabled; Ensure camera is within optimal 5G range (5G has shorter range than 2.4G).
SD card not recording	SD card full; SD card not formatted; Faulty SD card.	Format SD card via app; Replace SD card if faulty; Check recording settings.

8. SPECIFICATIONS

- **Model:** A22YQ
- **Resolution:** 10MP (5MP + 5MP) 5K Ultra HD
- **Lens:** 3.6mm (Dual Lens)
- **Pan/Tilt Range:** Pan 355°, Tilt 90°
- **Digital Zoom:** 5x
- **Connectivity:** IP/Network Wireless (2.4GHz/5GHz WiFi)
- **Video Compression:** H.265
- **Night Vision:** IR Night View, Color Night Vision (up to 30m)
- **Audio:** Two-way audio
- **AI Functions:** Motion Detection, Human Detection, Automatic Tracking
- **Storage:** TF Card (up to 128GB), Cloud Storage (subscription)
- **Power Supply:** DC 12V
- **Power Consumption:** <8W
- **Operating Temperature:** -10°C to 60°C (14°F to 140°F)
- **IP Level:** IP66 (Waterproof/Weatherproof)
- **Viewing Angle:** 87°
- **Minimum Illumination:** 0.01lux
- **Certifications:** CE, FCC, WEEE
- **Manufacturer Model Name:** dongguanshijianyingbaihuoshanghang

9. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries, please refer to the contact details provided on the product packaging or the official TWSYOXPR website. Keep your purchase receipt as proof of purchase for warranty claims.