

## NGTeco 3MP PTZ Camera

# NGTeco Security Camera Outdoor User Manual

### MODEL: 3MP PTZ CAMERA

2K Pan Tilt Surveillance WiFi Camera with Spotlight Night Vision, 2-Way Audio, Motion Detection, Cloud Storage Compatible with Alexa

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your NGTeco 3MP PTZ Security Camera. Please read this manual thoroughly before using the product to ensure proper functionality and safety. This camera is designed for outdoor surveillance, offering advanced features such as 2K 3MP HD resolution, pan-tilt-zoom capabilities, full-color night vision, two-way audio, and smart motion detection.

## 2. PRODUCT OVERVIEW

### 2.1 Key Features

- **2K 3MP HD Security Camera & Full Color Night Vision:** Provides ultra HD image (2304×1296) with clear full-color night vision up to 65 feet using 8pcs IR LEDs.
- **Pan Tilt Zoom & Waterproof:** Offers 355° horizontal and 90° vertical rotation for comprehensive coverage. Designed to withstand bad weather conditions.
- **2-Way Audio & 3 Night Vision Modes:** Built-in noise cancellation mic and speaker for clear remote communication via the NGTeco Home app. Supports infrared, full-color, and smart night vision modes.
- **Motion Detection & Alert Notification:** Features motion and humanoid detection with adjustable sensitivity, sending instant alerts to your phone.
- **Safe Cloud & SD Card Storage:** Supports encrypted cloud storage and local TF card storage (up to 128GB) for video recording.

### 2.2 What's in the Box

- 1 x 3MP PTZ Camera
- 2 x Antenna
- 1 x Power Adapter (12V/1A)
- 1 x Power Cable (2 m)
- 1 x Screw Package

- 1 x Waterproof Kit
- 1 x User Manual

## 2.3 Product Visuals



The NGTeco outdoor security camera, showcasing its sleek design and a smartphone displaying its live feed.

An overview of the 3MP PTZ Floodlight Camera's key features, including 3MP High Definition, Pan&Tilt, Two-Way Talk, Human Detection & Tracking, Motion Detection, White Light, Instant Notification, Local & Cloud Storage, and compatibility with NGTeco Home App, Alexa, and Google Assistant.



## PTZ Control - Broaden Your View

Get an ultra-wide viewing angel with easy direction control via NGTeco Home APP on phone

Demonstration of the camera's 355° horizontal and 90° vertical PTZ (Pan-Tilt-Zoom) control, managed easily via the NGTeco Home app.



Illustration of the 2-Way Audio feature, showing a user communicating with a person at the door through the camera and smartphone app.

# Human-Activated Light & App Alert

Audio & Video Recording



The Human-Activated Light & App Alert feature, where the camera's spotlight illuminates a detected person and an alert is displayed on a smartphone.

The Auto Tracking & Light Alarm feature, showing the camera's ability to follow a person's movement with its light.

A comparison of the camera's three night vision modes: daytime view, full color night vision, and infrared vision, demonstrating clarity in different lighting conditions.

## 3MP Full High Definition Video



A visual comparison highlighting the superior clarity of 3MP Full High Definition Video compared to 1080P, with a focus on detail.

## 128G TF Card & Cloud Storage

Every Important Moment Are Saved Privately



Cloud Storage



TF Card



Depiction of the 128G TF Card & Cloud Storage options, illustrating how important moments are saved privately.

Icons representing the camera's weatherproof capabilities: Waterproof, Sunproof, Cold resistance, and Dustproof, ensuring durability in various outdoor conditions.

Illustration of the camera's multi-platform compatibility, showing it can be accessed from Android, iOS, and Windows devices.

### 3. SETUP GUIDE

Follow these steps to set up your NGTECO Security Camera. For detailed visual instructions, please refer to the included User Manual.

1. **Unpack the Camera:** Carefully remove all components from the packaging. Verify that all items listed in the "What's in the Box" section are present.
2. **Attach Antennas:** Screw the two antennas firmly onto the designated ports on the camera.

3. **Power Connection:** Connect the power cable to the camera's power input port, then plug the power adapter into a standard electrical outlet. The camera will power on and initiate its startup sequence.
4. **Download NGTeco Home App:** Scan the QR code in the included user manual or search for "NGTeco Home" in your mobile device's app store (iOS or Android) and download the application.
5. **Account Registration:** Open the NGTeco Home app and register a new account or log in if you already have one.
6. **Add Device:** In the app, tap the "+" icon to add a new device. Select your camera model from the list. Follow the on-screen prompts to connect the camera to your Wi-Fi network. Ensure your Wi-Fi network is 2.4GHz, as 5GHz networks are not supported.
7. **Mounting (Optional):** If wall-mounting, use the provided screw package and waterproof kit. Choose a suitable location with a clear view and strong Wi-Fi signal. Drill pilot holes, secure the mounting base, and attach the camera.
8. **Initial Configuration:** Once connected, you can adjust camera settings such as motion detection sensitivity, night vision mode, and storage preferences within the NGTeco Home app.

## 4. OPERATING INSTRUCTIONS

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Your NGTeco Security Camera offers a range of functionalities accessible through the NGTeco Home app.

- **Live View:** Open the NGTeco Home app and select your camera to view the live feed.
- **Pan/Tilt Control:** Use the directional controls within the app to remotely adjust the camera's horizontal (355°) and vertical (90°) viewing angles.
- **Two-Way Audio:** Tap the microphone icon in the app to speak through the camera's speaker, and listen to audio from the camera's microphone.
- **Night Vision Modes:** Switch between infrared night vision, full-color night vision (when floodlights are active), or smart mode (automatically switches based on detection) via the app settings.
- **Motion Detection & Alerts:** Enable motion detection in the app. You will receive push notifications on your phone when motion is detected. Review recorded events in the app's playback section.
- **Recording & Storage:** Videos are automatically recorded upon motion detection. You can access recordings from the cloud storage (subscription may be required) or from a locally installed TF card (up to 128GB).
- **Playback:** Use the app's playback feature to review recorded footage by date and time.
- **Integration with Smart Assistants:** The camera is compatible with Amazon Alexa. Follow the instructions in the NGTeco Home app to link your camera with your Alexa account for voice control and live view on compatible devices.

## 5. MAINTENANCE

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Regular maintenance ensures optimal performance and longevity of your security camera.

- **Cleaning:** Periodically wipe the camera lens and body with a soft, damp cloth to remove dust and dirt. Do not use harsh chemicals or abrasive cleaners.
- **Firmware Updates:** Check the NGTeco Home app regularly for available firmware updates. Keeping the firmware updated ensures you have the latest features and security enhancements.
- **Connection Check:** Ensure the power cable and Wi-Fi connection remain stable. For wired connections, verify the Ethernet cable is securely plugged in.

- **Environmental Protection:** While the camera is waterproof and dustproof (IP65 rated), avoid direct high-pressure water jets or prolonged submersion. Ensure proper drainage around the mounting area.
- **Storage Management:** If using a TF card, periodically check its status in the app. Consider backing up important footage to cloud storage or another device.

## 6. TROUBLESHOOTING

If you encounter issues with your NGTeco Security Camera, refer to the following common problems and solutions.

| Problem                                               | Possible Cause                                                                                                              | Solution                                                                                                                                                                      |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera offline/Cannot connect to Wi-Fi                | Incorrect Wi-Fi password; Camera too far from router; Router is 5GHz only; Network interference.                            | Ensure correct 2.4GHz Wi-Fi password. Move camera closer to router. Check router settings for 2.4GHz band. Reduce interference from other devices. Restart camera and router. |
| Motion detection not working or too many false alerts | Detection sensitivity too low/high; Detection zone not set correctly; Environmental factors (e.g., swaying branches, rain). | Adjust motion detection sensitivity in the app. Configure detection zones to exclude irrelevant areas. Enable humanoid detection if available.                                |
| Poor image quality/Night vision unclear               | Dirty lens; Insufficient lighting; Infrared lights obstructed.                                                              | Clean the camera lens. Ensure adequate ambient light for full-color night vision. Check for obstructions blocking the IR lights.                                              |
| Two-way audio issues                                  | Microphone/speaker blocked; App volume too low; Network latency.                                                            | Ensure no obstructions on mic/speaker. Adjust volume in app. Check network stability.                                                                                         |
| SD card not recording or recognized                   | SD card full; SD card not formatted; Incompatible SD card; Faulty SD card.                                                  | Format the SD card via the app. Replace with a compatible (Class 10 or higher) SD card up to 128GB. Check if recording settings are enabled.                                  |

If problems persist, please contact NGTeco customer support for further assistance.

## 7. SPECIFICATIONS

| Feature                  | Detail                                                   |
|--------------------------|----------------------------------------------------------|
| Model                    | 3MP PTZ Camera                                           |
| Video Capture Resolution | 3 MP (2304x1296)                                         |
| Pan/Tilt Range           | 355° Horizontal, 90° Vertical                            |
| Night Vision             | Full Color Night Vision, Infrared Vision (up to 65 feet) |
| Audio                    | 2-Way Audio with Noise Cancellation                      |

| Feature                | Detail                                                                                           |
|------------------------|--------------------------------------------------------------------------------------------------|
| Connectivity           | Wi-Fi (2.4GHz only), Wired Ethernet                                                              |
| Storage Options        | Cloud Storage, TF Card (up to 128GB)                                                             |
| Motion Detection       | Motion and Humanoid Detection                                                                    |
| Power Source           | Corded Electric (12V/1A)                                                                         |
| Weather Resistance     | IP65 (Waterproof, Dustproof)                                                                     |
| Compatible Devices     | Smartphones (iPhone, Android), Tablets (iPad, Android Pad), Personal Computers (Windows PC, MAC) |
| Controller Type        | Amazon Alexa, NGTeco Home App                                                                    |
| Mounting Type          | Wall Mount                                                                                       |
| Dimensions (L x W x H) | 7.28 x 6.89 x 4.21 inches                                                                        |
| Item Weight            | 1.41 pounds (639.99 Grams)                                                                       |

## 8. WARRANTY AND SUPPORT

Warranty information for your NGTeco Security Camera is typically provided with the product packaging or can be found on the official NGTeco website. Please retain your proof of purchase for warranty claims.

For technical support, troubleshooting assistance, or any inquiries regarding your product, please refer to the NGTeco Home app's help section or visit the NGTeco official support channels. Contact information is usually available on the manufacturer's website or in the included user manual.

### ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

conversion attribution. [Privacy details](#).

**Question**

Example: How do I reset this device or fix this error?

**Details**

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question