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> 2NLF 4K 12MP Outdoor Security Camera with 10x Optical Zoom User Manual

2NLF GAD1049WT1

2NLF 4K 12MP Outdoor Security Camera User Manual

Model: GAD1049WT1

INTRODUCTION

This manual provides detailed instructions for the 2NLF 4K 12MP Outdoor Security Camera. This advanced surveillance system is designed to offer comprehensive and reliable monitoring for your home or business. It features four 4MP cameras, including a PTZ (Pan-Tilt-Zoom) camera, delivering clear video day and night, in various weather conditions. Key features include 10x optical and digital zoom, 360° PTZ control, advanced motion detection with automatic tracking, full-color night vision, IP66 weather resistance, and two-way audio communication.

PACKAGE CONTENTS

- 2NLF 4K 12MP Outdoor Security Camera Body
- Power Adapter
- Mounting Screws
- Instruction Manual (this document)

SETUP

1. Physical Installation

The camera is designed for screw-on installation. Select a suitable outdoor location that provides the desired viewing angle and is within range of your 2.4GHz Wi-Fi network. Ensure the mounting surface is stable and secure. Use the provided mounting screws to firmly attach the camera body.

Cuatro Lentes y Tres Vistas

Monitorea diferentes áreas simultáneamente
y nunca te pierdas ningún detalle



Image: The 2NLF camera system, illustrating its four lenses and ability to monitor three different areas simultaneously (two bullet camera views and one dome camera view).

2. Power Connection

Connect the provided power adapter to the camera and plug it into a power outlet. The camera will power on and initiate its startup sequence.

3. Network Connection (Wi-Fi)

1. Download the official 2NLF mobile application from your device's app store.
2. Create an account or log in if you already have one.
3. Follow the in-app instructions to add your new camera. You will typically scan a QR code on the camera or manually enter its ID.
4. Connect the camera to your **2.4GHz Wi-Fi network**. **Note: This camera is not compatible with 5GHz Wi-Fi networks.** Ensure your mobile device is also connected to the 2.4GHz network during the setup process.
5. Once connected, the camera's status indicator will confirm a successful connection.

OPERATING INSTRUCTIONS

1. Live View and PTZ Control

Open the 2NLF app to access the live feed from your camera. The PTZ camera allows for 360° horizontal rotation and 90° vertical tilt. Use the on-screen controls within the app to pan, tilt, and zoom the PTZ camera to monitor different areas of your property.



Image: Illustration of the 2NLF camera's 360° pan and 90° tilt capabilities for comprehensive coverage.

2. Zoom Functionality

The PTZ camera offers 10x optical zoom for lossless magnification, while the bullet cameras provide 10x digital zoom. Use the pinch-to-zoom gesture or dedicated zoom controls in the app to get closer details.

Píxeles Ultra Claros de 4 MP y Zoom Óptico de 10x para Una Ampliación Sin Pérdidas



Tecnología de Zoom
Óptico 10x de 2NLF



Zoom Digital 10x
de Otros Productos

Image: A visual comparison demonstrating the clarity of 10x optical zoom from 2NLF versus 10x digital zoom from other products, focusing on a car's license plate.

3. Motion Detection and Auto Tracking

The camera features advanced motion detection. When motion is detected, the system can send real-time alerts to your mobile app. The PTZ camera can also automatically track moving objects or individuals within its field of view. Configure detection zones and sensitivity settings within the app to minimize false alarms.

Detección Humana Con IA y Seguimiento Automático



Humanos



Vehículos



Mascotas



NOTA: La aplicación ofrece detección de movimiento y seguimiento automático gratuitos. Otras funciones premium, como la detección por IA o el seguimiento avanzado, requieren suscripción.

Image: The camera's AI human detection and automatic tracking feature, highlighting a child and a dog in a backyard. Note: Basic motion detection is free; advanced AI detection and tracking may require a subscription.

4. Night Vision Modes

The camera supports two night vision modes:

- **Infrared Mode:** Provides clear black and white images in low-light conditions.
- **Full-Color Night Vision:** Utilizes built-in spotlights to capture vivid, full-color video even in complete darkness. You can switch between these modes via the app.

Visión Nocturna a Todo Color

Cambie suavemente entre visión nocturna por infrarrojos y visión nocturna en color



Image: A comparison showing the difference between infrared (black and white) and full-color night vision modes in a residential setting.

5. Two-Way Audio

Utilize the integrated microphone and speaker for two-way communication. This allows you to speak to visitors or deter intruders directly through the camera via the mobile app.

Audio Bidireccional y Uso Compartido Entre Múltiples Usuarios



Image: A family demonstrating the two-way audio feature, allowing communication through the camera.

6. Storage Options

The camera supports local storage via a TF card (up to 128GB) and cloud storage. Insert a TF card into the designated slot on the camera for local recording. Cloud storage options are available through the app, often requiring a subscription.

MAINTENANCE

1. Cleaning

Periodically clean the camera lenses and housing with a soft, damp cloth to ensure clear image quality. Avoid using harsh chemicals or abrasive materials.

2. Weather Resistance

The camera has an IP66 rating, making it waterproof and dustproof. It is designed to withstand extreme weather conditions, including rain, sun, cold, and heat. No special weather-related maintenance is typically required beyond ensuring proper mounting.

IP66 Impermeable y Resistente al Polvo



Image: The camera's IP66 rating, demonstrating its resistance to rain, sun, and snow, ensuring year-round reliability.

3. Firmware Updates

Check the 2NLF app regularly for available firmware updates. Keeping your camera's firmware updated ensures optimal performance, security, and access to new features.

TROUBLESHOOTING

- **Camera Disconnects Frequently:**

Ensure the camera is within range of your 2.4GHz Wi-Fi router. Obstacles like thick walls can interfere with the signal. Try repositioning the camera or router, or consider a Wi-Fi extender. Verify that your router is broadcasting a stable 2.4GHz signal.

- **No Power / Camera Not Turning On:**

Check the power adapter and cable for any damage. Ensure the power adapter is securely plugged into both the camera and a working power outlet. If the issue persists, try a different power outlet.

- **Unable to Connect to Wi-Fi:**

Confirm that you are attempting to connect to a 2.4GHz Wi-Fi network, as the camera does not support 5GHz.

Double-check your Wi-Fi password. Ensure your mobile device is connected to the same 2.4GHz network during setup. If necessary, reset the camera (refer to the app for reset instructions) and attempt the connection process again.

- **Poor Image Quality:**

Clean the camera lenses to remove any dirt or smudges. Ensure there are no obstructions in the camera's field of view. Check your internet connection speed, as a slow connection can affect streaming quality.

- **Motion Detection Not Working:**

Verify that motion detection is enabled in the app settings. Adjust the sensitivity levels and detection zones. Ensure there are no physical obstructions blocking the camera's view.

- **Two-Way Audio Issues:**

Check the microphone and speaker settings in the app. Ensure your phone's volume is up. Make sure there are no physical obstructions covering the camera's microphone or speaker.

SPECIFICATIONS

Model Number	GAD1049WT1
Video Capture Resolution	1440p (4K 12MP equivalent for multi-lens system)
Wireless Communication Technology	Wi-Fi (2.4GHz only)
Form Factor	Bullet (with PTZ dome)
Installation Type	Screw-on
Night Vision Range	20 Meters
Material	Acrylonitrile Butadiene Styrene (ABS)
Item Dimensions (L x W x H)	27.5 x 15.8 x 22.3 cm (10.83 x 6.22 x 8.78 inches)
Water Resistance Level	IP66 (Waterproof)
Special Features	Two-Way Audio, Motion Detector, HD Resolution, PTZ Technology, Night Vision (Color & IR)
Recommended Use	Outdoor Security
Power Source	Electric Corded
Connectivity Protocol	Wi-Fi
Mounting Type	Wall Mount

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official 2NLF website or contact their customer service directly. Details are typically provided on the product packaging or within the mobile application's help section. Keep your purchase receipt for warranty claims.

