NIVIAN NVS-IPC-0H3-L

NIVIAN NVS-IPC-0H3-L Outdoor WiFi Surveillance Camera User Manual

Model: NVS-IPC-0H3-L

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your NIVIAN NVS-IPC-0H3-L Outdoor WiFi Surveillance Camera. This advanced bullet-style camera is designed for comprehensive home and business surveillance, offering high-resolution imaging, intelligent detection features, and smart home integration. Please read this manual thoroughly before using the product to ensure proper setup and functionality.

2. PRODUCT OVERVIEW

2.1 Package Contents

The package includes the following items:

- NIVIAN NVS-IPC-0H3-L Surveillance Camera
- Mounting Accessories (screws, wall plugs)
- Power Adapter
- User Manual

2.2 Key Features

- **High-Resolution Video:** 2560x1440 (Half4K) resolution with HDR technology for clear and detailed images, even in challenging lighting conditions.
- **Advanced Night Vision:** Three adaptive modes including infrared (up to 10m), full-color night vision, and a smart mode that activates white LEDs upon motion detection for color recording.
- **Outdoor Durability:** IP66 weather-resistant rating ensures reliable operation in various environmental conditions.
- **Two-Way Audio & Siren:** Built-in microphone and speaker for remote communication, plus a customizable deterrent siren with pre-recorded messages.
- **AI Human Detection & Auto-tracking:** Intelligent detection system reduces false alarms by focusing on human shapes and automatically tracks detected subjects.
- **Smart Home Integration:** Compatible with Amazon Alexa and Google Home for voice control and

integration into smart routines.

- **Flexible Storage:** Supports local storage via MicroSD card (up to 256GB, not included) and cloud storage via Tuya Cloud (subscription required).
- **Mobile App Control:** Full control and monitoring through the Tuya App for Android and iOS devices.

Figure 1: NIVIAN NVS-IPC-0H3-L Camera with indicated rotational movement.

Figure 2: Overview of camera features including WiFi connectivity, 2.5K QuadHD resolution with HDR, human detection, smart white light, outdoor use, and compatibility with Amazon Alexa, Google Assistant, and Tuya app.

3. Setup Guide

3.1 Unpacking and Initial Inspection

Carefully remove all components from the packaging. Inspect the camera and accessories for any signs of damage. If any items are missing or damaged, contact customer support.

3.2 Mounting the Camera

The camera is designed for wall mounting. Choose a location that provides the desired surveillance coverage and has access to a power outlet. For optimal auto-tracking performance, consider mounting the camera at a height that allows for effective detection of individuals, typically not excessively high.

1. Mark the drilling points on the wall using the camera's mounting bracket as a template.
2. Drill holes and insert the wall plugs.
3. Secure the mounting bracket to the wall with screws.
4. Attach the camera to the mounting bracket and adjust its angle as needed.

3.3 Power Connection

Connect the provided power adapter to the camera's power input and then plug it into a standard electrical outlet. The camera will power on and initiate its startup sequence.

3.4 App Installation and Camera Pairing

1. Download the **Tuya Smart** or **Smart Life** app from your device's app store (Google Play Store for Android, Apple App Store for iOS).
2. Register for a new account or log in if you already have one.
3. Tap the "+" icon in the top right corner of the app to add a device.
4. Select "Security & Video Surveillance" and then choose "Smart Camera (Wi-Fi)".
5. Follow the on-screen instructions to connect the camera to your 2.4GHz Wi-Fi network. This typically involves scanning a QR code displayed on your phone with the camera.
6. Once connected, you can rename the camera and begin live viewing.

4. OPERATING INSTRUCTIONS

4.1 Live View and Playback

Open the Tuya app and select your camera from the device list to access the live view. From here, you can:

- View real-time video feed.
- Take screenshots or record video clips manually.
- Access recorded footage from the MicroSD card or Tuya Cloud for playback.

4.2 Two-Way Communication

Tap the microphone icon in the app to speak through the camera's speaker. Tap the speaker icon to listen to audio from the camera's surroundings.

4.3 Night Vision Modes

The camera offers three night vision modes, configurable in the app settings:

- **Infrared Mode:** Uses infrared LEDs for black and white video in low light, up to 10 meters.
- **Full Color Mode:** Keeps the white LEDs on continuously for color night vision.
- **Smart Mode:** The camera operates in infrared mode by default. Upon detection of motion or a human figure, the white LEDs activate to provide full-color video.

Figure 3: Illustration of the three night vision modes: Infrared Vision, Full Color Vision, and Smart Mode (Infrared when no movement, Color upon motion detection).

4.4 Motion Detection and Alerts

Configure motion detection sensitivity and alert settings within the Tuya app. The AI human detection feature helps to minimize false alarms from pets or environmental factors.

4.5 Auto-Tracking

Enable auto-tracking in the app settings. When a human figure is detected, the camera will automatically pan and tilt to follow their movement within its field of view.

Figure 4: Camera demonstrating detection and automatic tracking of a person, along with a deterrent light feature.

4.6 Smart Home Integration

Integrate your NIVIAN camera with Amazon Alexa or Google Home through the Tuya app's settings. This allows for voice commands to view live feeds on compatible smart displays and to create automated routines.

Figure 5: Smart home integration showing the Tuya app interface for creating smart conditions and compatibility with Google Assistant and Amazon Alexa for automating your home.

4.7 Storage Management

Insert a MicroSD card (up to 256GB) into the designated slot on the camera for local video storage. Alternatively, subscribe to Tuya Cloud services for cloud-based recording and storage. Manage storage settings and view recordings via the Tuya app.

5. MAINTENANCE

5.1 Cleaning

Periodically clean the camera lens and housing with a soft, damp cloth to remove dust and dirt. Avoid using harsh chemicals or abrasive materials that could damage the camera's surface or lens.

5.2 Firmware Updates

Ensure your camera's firmware is up to date. The Tuya app will typically notify you of available updates. Follow the in-app instructions to perform firmware updates, which can improve performance and add new features.

6. TROUBLESHOOTING

6.1 Common Issues

- **Camera Offline:** Check Wi-Fi connection, power supply, and ensure the camera is within range of your router. Restart the camera and router if necessary.
- **Poor Image Quality:** Ensure the lens is clean. Check network stability. Verify that the camera is set to its highest resolution in the app.
- **False Alarms:** Adjust motion detection sensitivity and ensure AI human detection is enabled in the app settings.
- **Cannot Connect to App:** Ensure you are connecting to a 2.4GHz Wi-Fi network. Reset the camera and try the pairing process again.

6.2 Resetting the Camera

If you encounter persistent issues, you may need to reset the camera to its factory settings. Locate the reset button (usually a small pinhole) on the camera, press and hold it for approximately 5-10 seconds until you hear a prompt or see an indicator light change. After resetting, you will need to re-pair the camera with the Tuya app.

7. SPECIFICATIONS

Feature	Specification
Model Name	NVS-IPC-0H3-L
Video Recording Resolution	Half4K (2560x1440)
Effective Video Resolution	2560 pixels
Connectivity Technology	2.4GHz Wi-Fi
Wireless Communication Technology	Wi-Fi

Special Features	Compatible Alexa, Compatible Google Home, Human Detection, Night Vision
Usage	Human Detection, Surveillance
Indoor/Outdoor Use	Outdoor
Compatible Devices	Alexa, Google Home
Power Source	Wired
Controller Type	Mobile Application
Mounting Type	Wall Mount
Form Factor	Bullet
Item Dimensions (L x W x H)	15 x 5 x 12 cm
Item Weight	430 grams
Batteries Included?	No
Batteries Required?	No

8. WARRANTY AND SUPPORT

8.1 Warranty Information

Please refer to the product packaging or the official NIVIAN website for specific warranty terms and conditions. Keep your proof of purchase for warranty claims.

8.2 Technical Support

NIVIAN offers professional and responsive technical support. If you have any questions, installation issues, or other inquiries, please contact our support team through our official channels (email, web, and telephone). Our team is available to assist you promptly and ensure optimal product performance.

Related Documents - NVS-IPC-0H3-L

[Nivian Smart Home WiFi Battery Camera User Manual](#)
Comprehensive user manual for the Nivian Smart Home WiFi Battery Camera, covering setup, app integration with Tuya Smart, daily usage, features, and settings.

[Nivian NVS-IPC-08-BATSOLAR-L Smart Security 2K WiFi Battery Camera](#)
Detailed specifications and features of the Nivian NVS-IPC-08-BATSOLAR-L WiFi battery-powered outdoor camera. Offers Super HD 2K resolution, two-way audio, AI human detection, night vision, and smart home integration with Alexa and Google Assistant.

[Nivian Smart Home Wi-Fi Camera User Manual & Setup Guide](#)
Comprehensive user manual for the Nivian Smart Home Wi-Fi Camera, covering setup, mobile app connection using Tuya Smart or Smart Life, risk information, declaration of conformity, limited warranty, and user responsibilities.

[Nivian Smart AC Relay NVS-MINISWITCH User Manual | WiFi Smart Switch](#)
Comprehensive user manual for the Nivian Smart AC Relay (NVS-MINISWITCH) models 102-WR and 202-WR. Learn to connect, configure, and control your WiFi smart switch with Tuya Smart and Smart Life apps for smart home automation.

[Nivian Smart Home Dual Lens WiFi Camera - Quick Start Guide](#)
This guide provides essential information for setting up and using your Nivian Smart Home Dual Lens WiFi Camera, including app connection, safety precautions, and warranty details.

[Nivian Smart Home Camera with Floodlight NVS-IPC-02-L Quick Guide](#)
A quick guide for the Nivian Smart Home Camera with Floodlight, model NVS-IPC-02-L. This document provides essential information and directs users to the official website for full technical documentation, warranty details, and support.