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› NIVIAN Mini 2K PTZ WiFi Camera User Manual (Model NVS-IPC-0S4-L-MINI)

NIVIAN NVS-IPC-0S4-L-MINI

NIVIAN Mini 2K PTZ WiFi Camera User Manual

Model: NVS-IPC-0S4-L-MINI

Brand: NIVIAN

INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your NIVIAN Mini 2K PTZ WiFi Camera. Designed for outdoor use, this camera offers advanced surveillance features including 2K Super HD resolution, infrared night vision, motion detection with auto-tracking, two-way audio, and smart home integration. Please read this manual thoroughly before using the product to ensure proper functionality and safety.



Figure 1: NIVIAN Mini 2K PTZ WiFi Camera highlighting key features like WiFi connectivity, 2K Super HD resolution, motion auto-tracking, human detection, outdoor rating, mini size, and compatibility with Amazon Alexa, Google Assistant, and Tuya Smart app.

SETUP AND INSTALLATION

Follow these steps to set up and install your NIVIAN Mini 2K PTZ WiFi Camera. The camera is designed for easy wall mounting and includes all necessary components for installation.

1. Physical Installation

1. **Choose a Location:** Select an outdoor location with a clear view of the area you wish to monitor. Ensure the camera is within range of your 2.4GHz Wi-Fi network. The camera has an IP65 rating, making it suitable for outdoor conditions.
2. **Mount the Bracket:** Use the included mounting bracket as a template to mark and drill holes on the wall. Secure the bracket using the provided screws and wall plugs.
3. **Attach the Camera:** Carefully attach the camera to the mounted bracket, ensuring it is securely fastened.
4. **Power On:** Connect the camera to a power source using the provided power adapter. The camera will initiate its startup

sequence.



Figure 2: The NIVIAN camera mounted on a wall, demonstrating its pan and tilt capabilities controlled via a smartphone application.

2. App Connection

To control and view your camera, you need to connect it to the Tuya Smart application.

1. **Download the App:** Download and install the "Tuya Smart" app from your smartphone's app store (available for iOS and Android).
2. **Register/Log In:** Open the app and register for a new account or log in if you already have one.
3. **Add Device:** Tap the "+" icon or "Add Device" button in the app. Select "Video Surveillance" and then "Smart Camera (Wi-Fi)".
4. **Connect to Wi-Fi:** Follow the on-screen prompts to connect the camera to your 2.4GHz Wi-Fi network. You may need to scan a QR code displayed on your phone with the camera lens.
5. **Completion:** Once connected, the camera will appear in your device list. You can now access live view and settings.

Your browser does not support the video tag.

Video 1: This video demonstrates the easy installation process and the steps to connect the NIVIAN camera to the Tuya Smart app, including scanning the QR code for quick setup.

OPERATING INSTRUCTIONS

Your NIVIAN camera offers a range of features to enhance your security and monitoring experience.

1. Live View and PTZ Control

From the Tuya Smart app, select your camera to access the live view. You can pan (horizontal rotation) and tilt (vertical movement) the camera lens directly from the app to adjust the viewing angle. The camera supports 360° surveillance.

2. 2K Super HD Resolution

The camera captures video in 2K (2560x1440) Super HD resolution, providing clear and detailed images. This higher resolution allows for better identification of objects and faces compared to standard HD cameras.

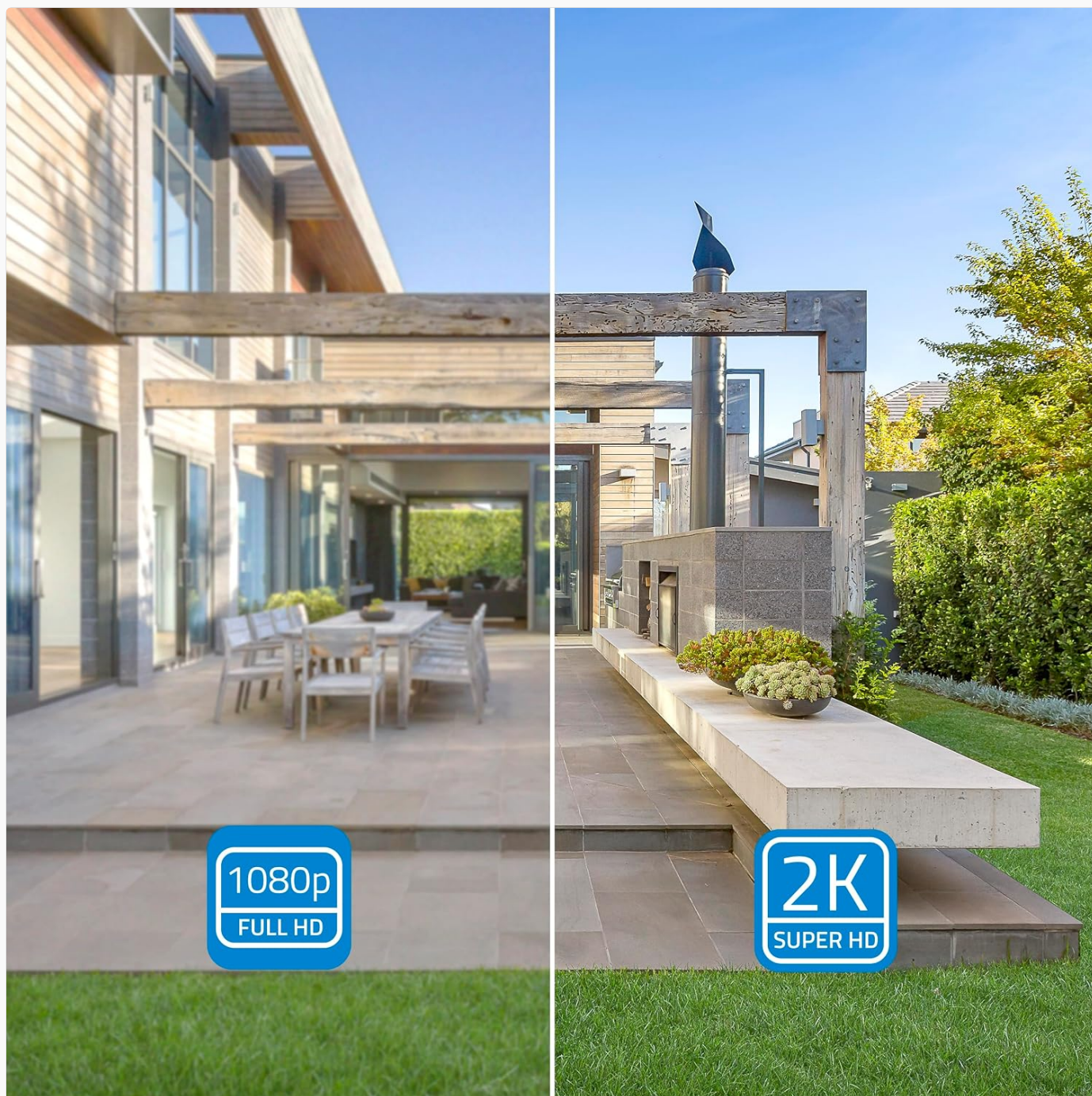


Figure 3: A visual comparison illustrating the enhanced clarity and detail provided by 2K Super HD resolution compared to 1080p Full HD.

3. Night Vision Modes

The camera features advanced night vision with three distinct modes:

- **Infrared Mode:** Provides clear black and white images in complete darkness up to 10 meters.
- **Color Mode:** Utilizes built-in spotlights to provide full-color night vision when activated.
- **Smart Mode:** Operates in infrared mode normally, but automatically switches to color mode and activates spotlights upon detecting motion.

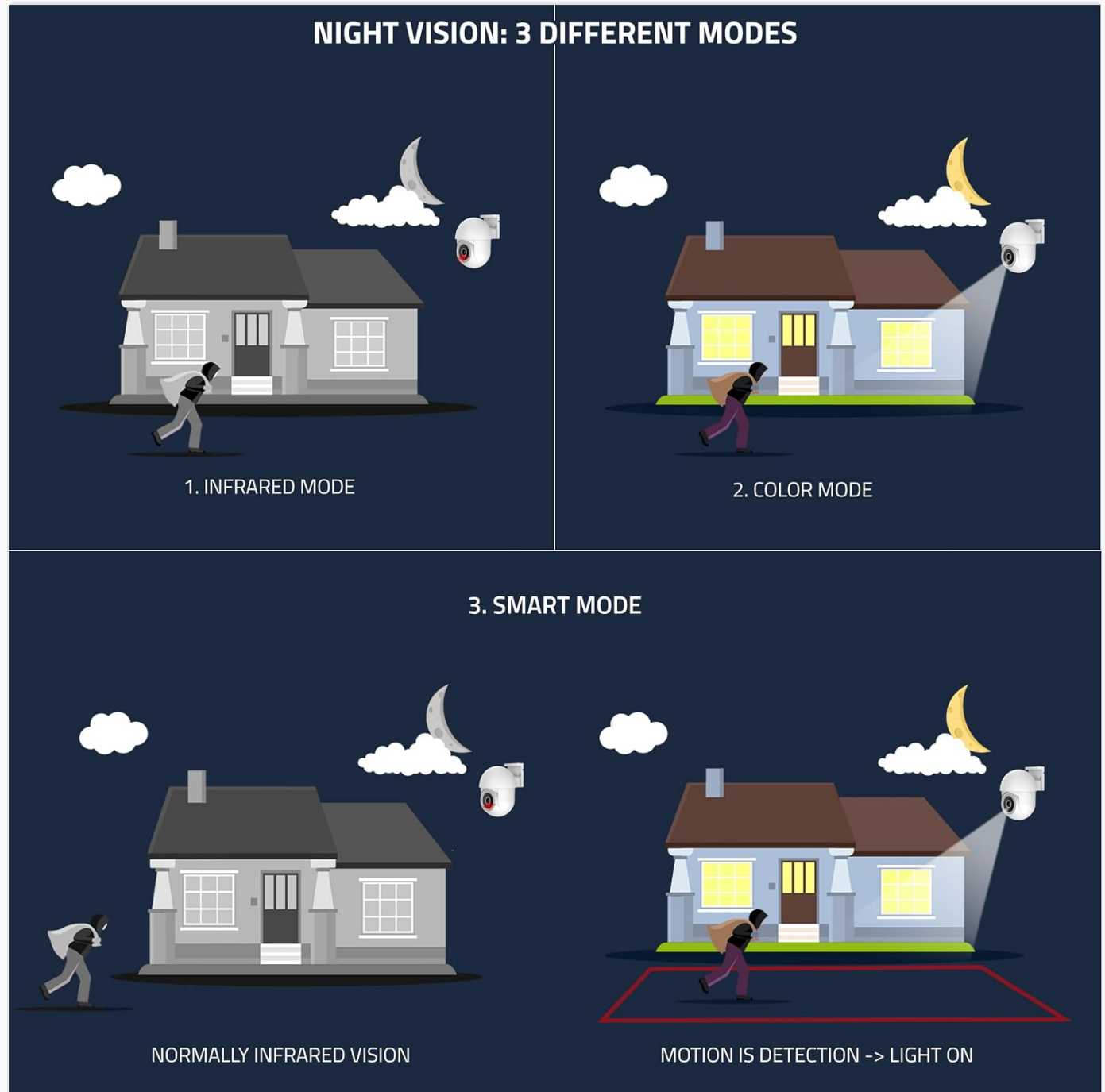


Figure 4: Illustration of the three night vision modes: Infrared for standard low-light, Color for illuminated night vision, and Smart Mode which combines both based on motion detection.

4. Motion Detection and Auto-Tracking

The camera is equipped with intelligent motion detection and human auto-tracking. When motion is detected, the camera can automatically follow the moving object within its field of view, ensuring continuous surveillance. Alerts can be sent to your smartphone.



Figure 5: The camera's motion detection and auto-tracking feature in action, following a child and a dog in an outdoor area.

5. Two-Way Audio

Utilize the built-in microphone and speaker for two-way communication. This allows you to listen to what's happening around the camera and speak through the camera from your smartphone, effectively communicating with visitors or deterring intruders.

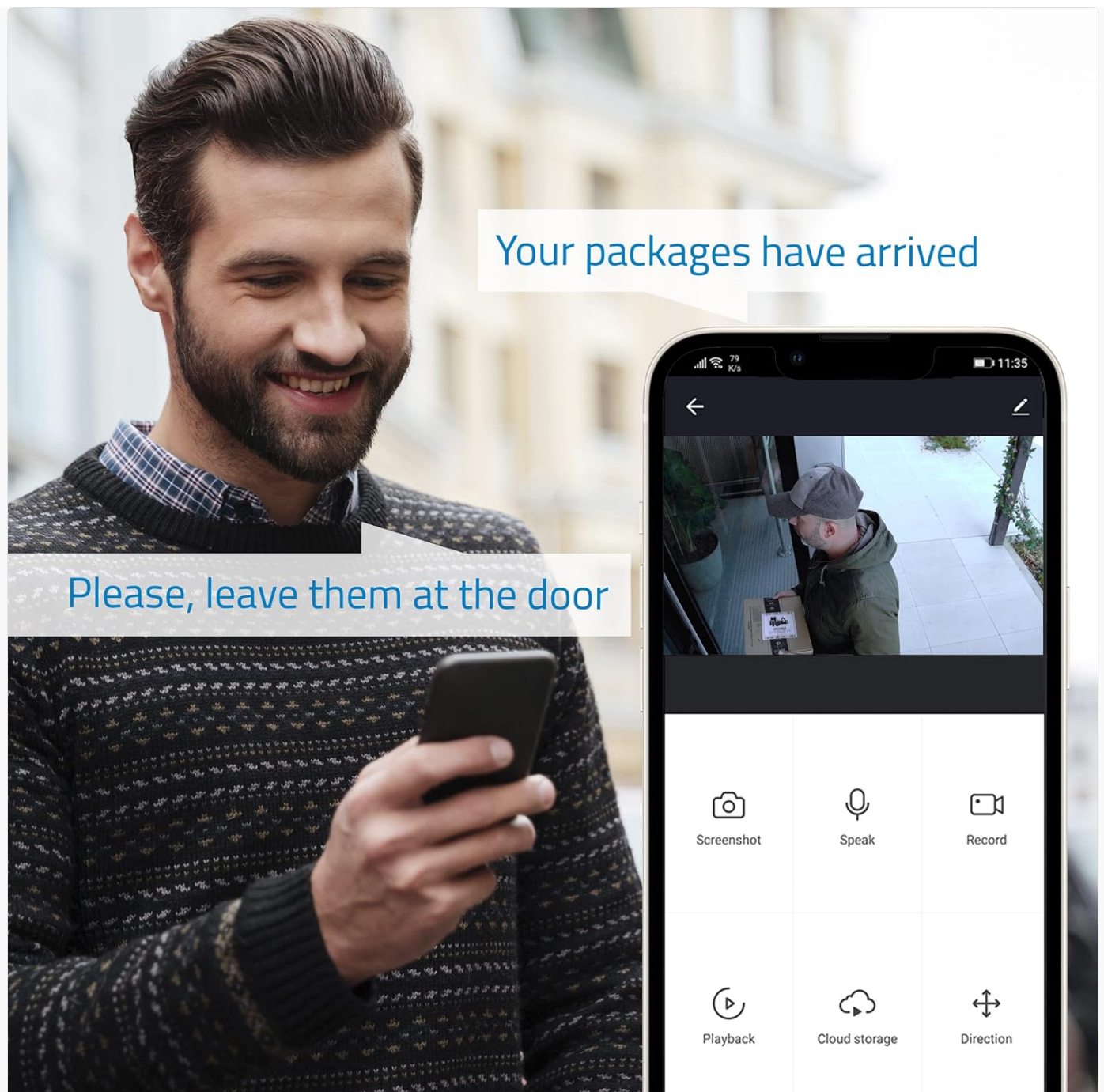


Figure 6: An example of the two-way audio feature, showing a person at a door communicating with the camera user.

6. Storage Options

Recordings can be stored in two ways:

- **MicroSD Card:** Insert a MicroSD card (up to 256GB, not included) into the camera's slot for local storage.
- **Tuya Cloud Storage:** Subscribe to Tuya Cloud storage for secure, remote access to your recordings.

7. Smart Home Integration

The NIVIAN camera is compatible with Google Assistant and Amazon Alexa. This allows for voice control and integration into smart home routines. You can view the camera's live stream on compatible smart displays (e.g., Amazon Echo Show, Google Nest Hub), Smart TVs, Chromecast, or Amazon Fire TV devices.

SMART HOME | AUTOMATION & SCENE

WORKS WITH OTHER NIVIAN DEVICES & VOICE ASSISTANTS

ACTIVE DETECTION
WHEN I LEAVE HOME



ACTIVE LIGHTS
WHEN MOTION
IS DETECTED



ALEXA! ACTIVE THE ALARM
HOME MODE



works with
Google Assistant

WORKS WITH
amazon alexa



Figure 7: The NIVIAN camera shown alongside various smart home devices, illustrating its compatibility with Google Assistant and Amazon Alexa for intelligent automation and control.

MAINTENANCE

To ensure optimal performance and longevity of your NIVIAN camera, follow these maintenance guidelines:

- **Regular Cleaning:** Periodically clean the camera lens and housing with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the surface.
- **Firmware Updates:** Check the Tuya Smart app regularly for firmware updates. Keeping your camera's firmware up-to-date ensures you have the latest features and security enhancements.
- **Power Supply:** Ensure the power adapter and cable are free from damage. Do not use unauthorized power adapters.
- **Environmental Protection:** While the camera is IP65 rated for outdoor use, avoid directing high-pressure water jets directly at the device.

TROUBLESHOOTING

If you encounter issues with your NIVIAN camera, refer to the following common troubleshooting steps:

- **Camera Offline:**

- Check Wi-Fi signal strength at the camera's location. Move the camera closer to the router or use a Wi-Fi extender if necessary.
 - Ensure the camera is powered on and the power adapter is securely connected.
 - Restart the camera by unplugging and replugging it.
 - Verify your Wi-Fi network is 2.4GHz, as the camera does not support 5GHz networks.
- **Poor Image Quality:**
 - Clean the camera lens to remove any dirt or smudges.
 - Ensure adequate lighting for optimal image capture, especially in color night vision mode.
 - Check your internet connection speed. A slow connection can affect streaming quality.
- **Motion Detection Not Working:**
 - Verify that motion detection is enabled in the Tuya Smart app settings for your camera.
 - Adjust the motion detection sensitivity settings.
 - Ensure there are no 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 and the app has microphone permissions.
 - Minimize background noise for clearer communication.
- **Smart Home Integration (Alexa/Google Home) Issues:**
 - Ensure your Tuya Smart account is correctly linked to your Alexa or Google Home account.
 - Try unlinking and relinking the Tuya Smart skill/service in your smart assistant app.
 - Restart the camera and your smart assistant device.

SPECIFICATIONS

Feature	Specification
Brand	NIVIAN
Model Number	NVS-IPC-0S4-L-MINI
Model Name	NIVIAN - Bullet WiFi Camera 2.4Ghz
Special Features	Weatherproof, Two-way audio, HD Resolution, PTZ Technology, Night Vision
Indoor/Outdoor Use	Outdoor
Connectivity Protocol	Wi-Fi (2.4Ghz)
Mounting Type	Wall Mount
Video Capture Resolution	Half4K 2560x1440 (2K Super HD)
Video Recording Resolution	Half4K 2560x1440 (2K Super HD)
Video Capture Format	MP4
Item Dimensions	10 x 12 x 10 centimeters

Included Components	Nivian surveillance camera
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SUPPORT AND WARRANTY

NIVIAN is committed to providing excellent customer support. If you have any technical questions, issues, suggestions, or comments regarding your surveillance camera, please do not hesitate to contact us.

- **Contact Support:** You can reach NIVIAN support through any official brand channel or via Amazon messages. We aim to respond immediately to your inquiries.
- **Warranty Information:** For details regarding product warranty, please refer to the warranty card included with your purchase or visit the official NIVIAN website.

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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

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for 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