**NIVIAN NV-KIT830W-8CAM**

# NIVIAN CCTV Kit 10-Channel 6-Camera 1TB User Manual
Model: NV-KIT830W-8CAM

## 1. INTRODUCTION

This manual provides comprehensive instructions for the installation, operation, maintenance, and troubleshooting of your NIVIAN Professional WiFi SuperHD Surveillance Camera Kit. This system is designed to provide reliable and efficient security monitoring for your home or business.

Please read this manual carefully before using the product to ensure proper setup and optimal performance. Keep this manual for future reference.

## 2. PRODUCT OVERVIEW

The NIVIAN CCTV Kit is a professional 2K SuperHD WiFi surveillance system featuring 6 IP cameras and a 10-channel Network Video Recorder (NVR) with a pre-installed 1TB hard drive. Key features include:

- **2K SuperHD Image Resolution:** Provides clear and detailed video footage (3MP).
- **AI Human Detection:** Intelligent motion detection to reduce false alarms.
- **Two-Way Audio:** Built-in microphone and speaker for real-time communication.
- **Dual Night Vision:** Infrared mode for discreet monitoring and white LED mode for full-color night vision activated by motion.
- **WiFi-6 Long Range Connectivity:** Stable wireless connection up to 250 meters with repeater function.
- **IP66 Weatherproof Cameras:** Durable metal casing suitable for outdoor use.
- **Professional Recording:** Continuous or event-based recording to the included 1TB hard drive.
- **HDMI Output:** Connect to a monitor or TV for live viewing.
- **EseeCloud App:** Remote access and control from mobile devices.
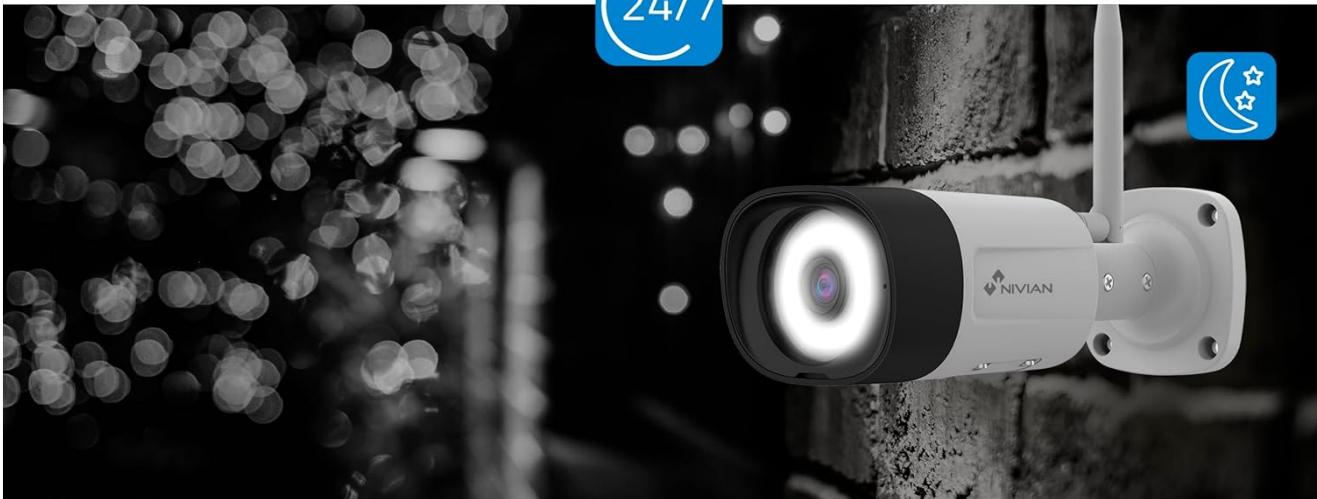
*Image: NIVIAN CCTV Camera with day and night vision capabilities, showing weatherproof design and application in various environments like house, office, store, and warehouse.*
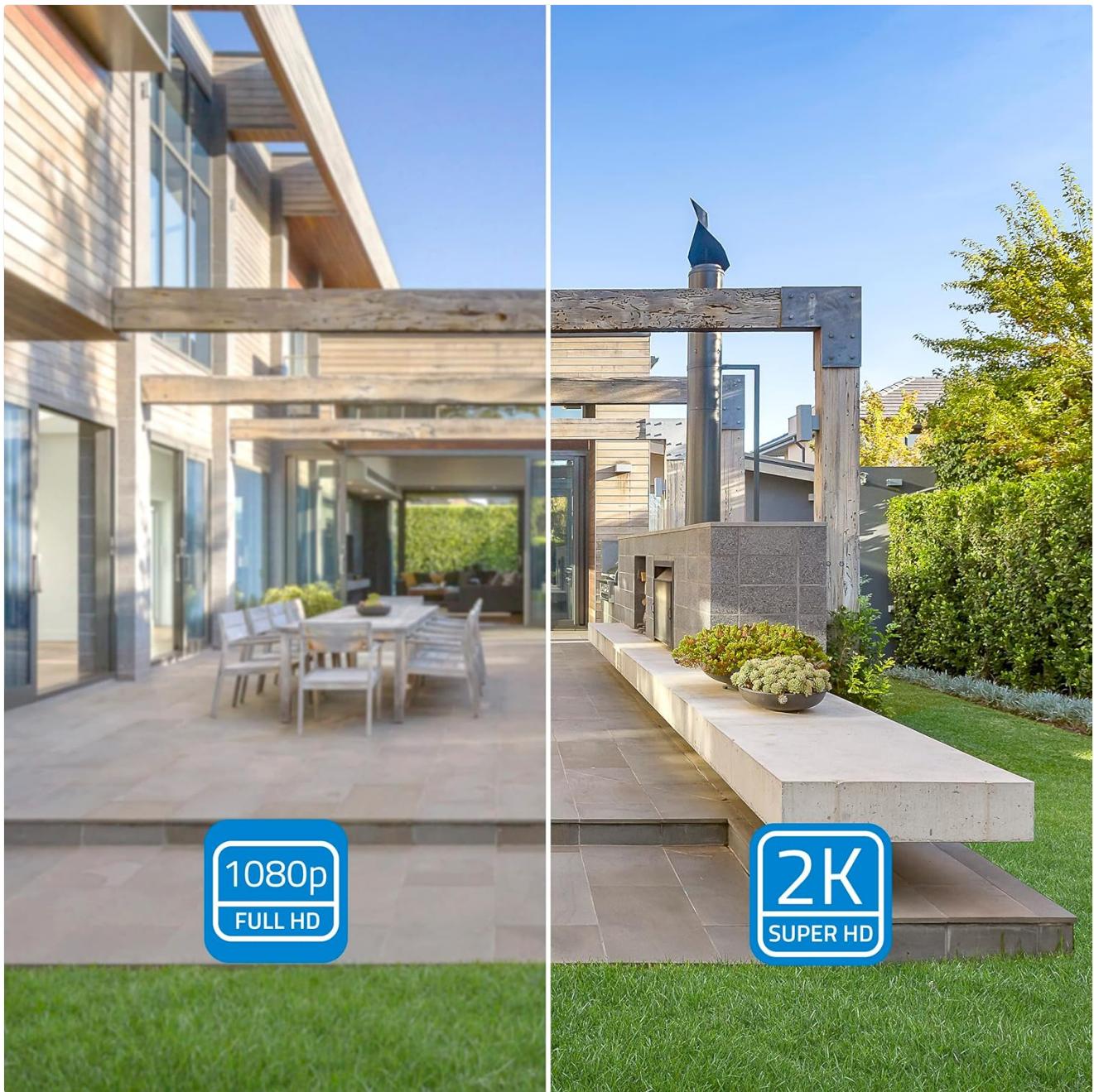
*Image: Comparison of 1080p Full HD video quality versus 2K Super HD video quality, demonstrating enhanced detail with 2K resolution.*

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1x 10-Channel NVR (Network Video Recorder) with 1TB Hard Drive
- 6x NIVIAN 2K SuperHD WiFi IP Cameras
- Power Adapters for NVR and Cameras
- USB Mouse
- Ethernet Cable
- Mounting Screws and Plugs
- Quick Start Guide (refer to this manual for detailed instructions)

## 4. SETUP

## 4.1. NVR Installation

1. **Connect the NVR:**

   - Connect the NVR to a power outlet using the provided power adapter.

   - Connect the NVR to a monitor or TV via the HDMI port for local viewing.

   - Connect the USB mouse to the NVR's USB port.

   - For internet access, connect the NVR to your router using the Ethernet cable.

2. **Power On:** Turn on the NVR. Follow the on-screen prompts for initial setup, including language selection and network configuration.

## 4.2. Camera Installation

1. **Mounting Location:** Choose suitable locations for your cameras, ensuring they have a clear field of view and are within range of the NVR's WiFi signal. The IP66 rating allows for outdoor installation.

2. **Power the Cameras:** Connect each camera to a power outlet using its dedicated power adapter.

3. **Pairing (Automatic):** The cameras are pre-paired with the NVR. Once powered on, they should automatically connect to the NVR's WiFi network. You will see the camera feeds appear on the connected monitor.

4. **Signal Repetition Function:** If a camera is too far from the NVR, you can use another camera as a repeater to extend the WiFi range up to 250m. Refer to the NVR's on-screen menu for configuring this feature.

# USE OPTIONS



**SPECIAL WIFI-6**
**Up to 250 m**

**HDMI**

**Eseecloud**

**RECORDER NVR**

**WiFi or LAN**

**RJ45**

**RJ45**

**Standard WIFI for ROUTER**

**SPECIAL WIFI-6 for NVR**

**x6**

**LAN**
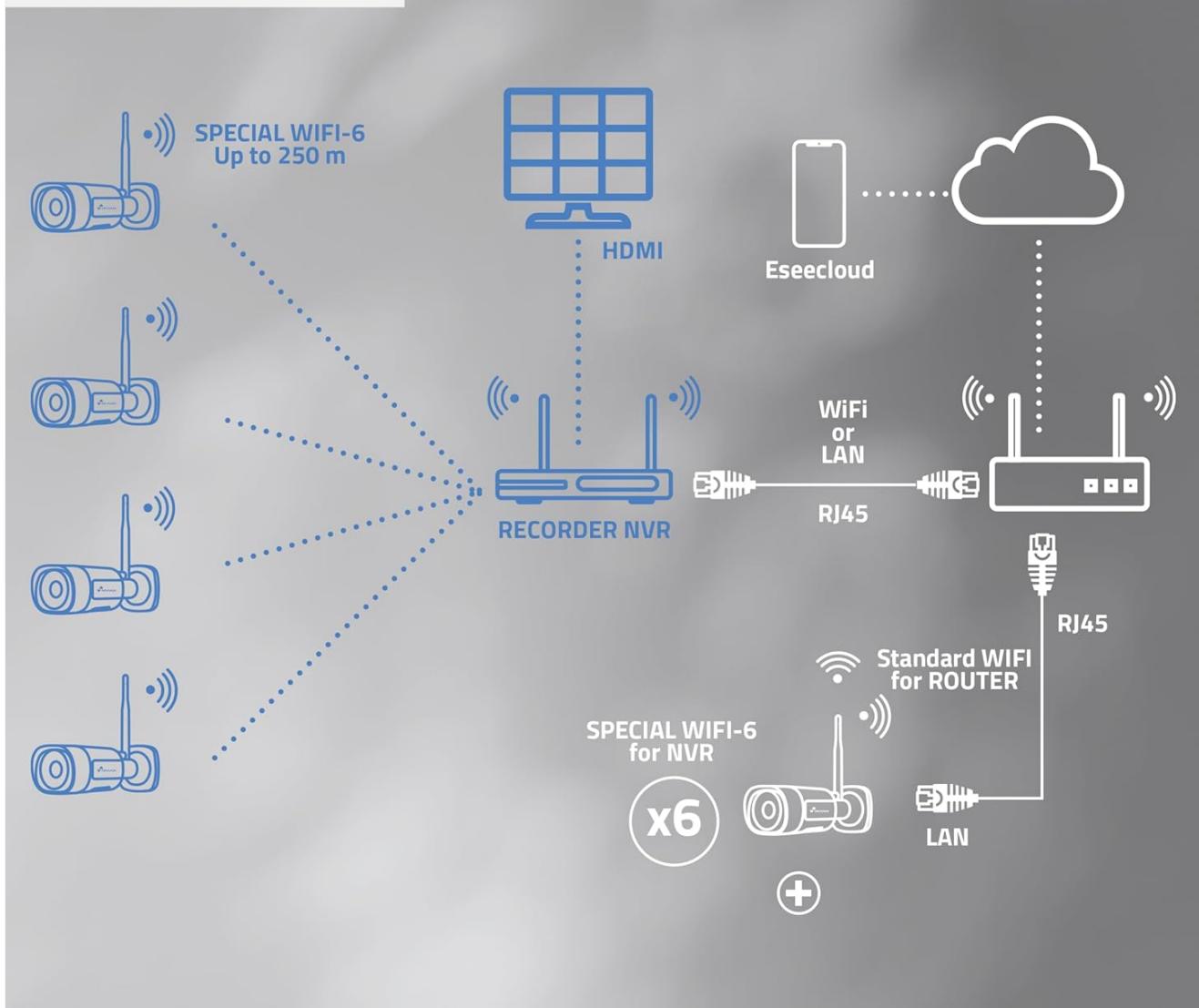
*Image: Diagram illustrating various connection options for the NIVIAN CCTV system, including direct WiFi-6 connection to NVR, HDMI output to a monitor, and NVR connection to a router via LAN for remote access via Eseecloud app. Also shows signal repetition function.*

*Image: Diagram showing the signal repetition function of the NIVIAN WiFi CCTV system, where cameras can extend the WiFi range up to 250 meters from the NVR.*

## 4.3. EseeCloud App Setup

1. **Download App:** Download the "EseeCloud" app from your mobile device's app store (available for iOS, Android).

2. **Register Account:** Open the app and register a new account or log in if you already have one.

3. **Add Device:** Follow the in-app instructions to add your NVR system. This typically involves scanning a QR code displayed on the NVR's monitor or entering the device ID manually.

4. **Remote Viewing:** Once added, you can view live feeds, access recordings, and configure settings remotely.

# MANAGE YOUR SECURITY SYSTEM ON YOUR SMARTPHONE



*Image: Smartphone screen displaying the EseeCloud app interface for managing the security system, showing live camera feeds and control options, with NIVIAN cameras and a laptop in the background.*

## 5. OPERATING INSTRUCTIONS

### 5.1. Live View

Access live camera feeds through the NVR connected to a monitor or via the EseeCloud mobile app. The NVR interface allows you to switch between single-camera view and multi-camera grid view.

### 5.2. Recording

- **Continuous Recording:** The system is configured for continuous recording by default to the 1TB hard drive.
- **Motion Detection Recording:** Configure cameras to record only when motion is detected. This can be scheduled via the NVR settings or EseeCloud app.
- **H.265+ Codec:** The system uses H.265+ video compression to optimize storage space while maintaining video quality.

### 5.3. Playback

Access recorded footage through the NVR's playback menu or the EseeCloud app. You can search recordings by date, time, and event type (e.g., motion detection).

## 5.4. AI Human Detection

The cameras feature advanced AI human detection to differentiate human movement from other objects, significantly reducing false alarms. When human motion is detected, the system can trigger recordings, send notifications, and activate the white LED night vision for color footage.
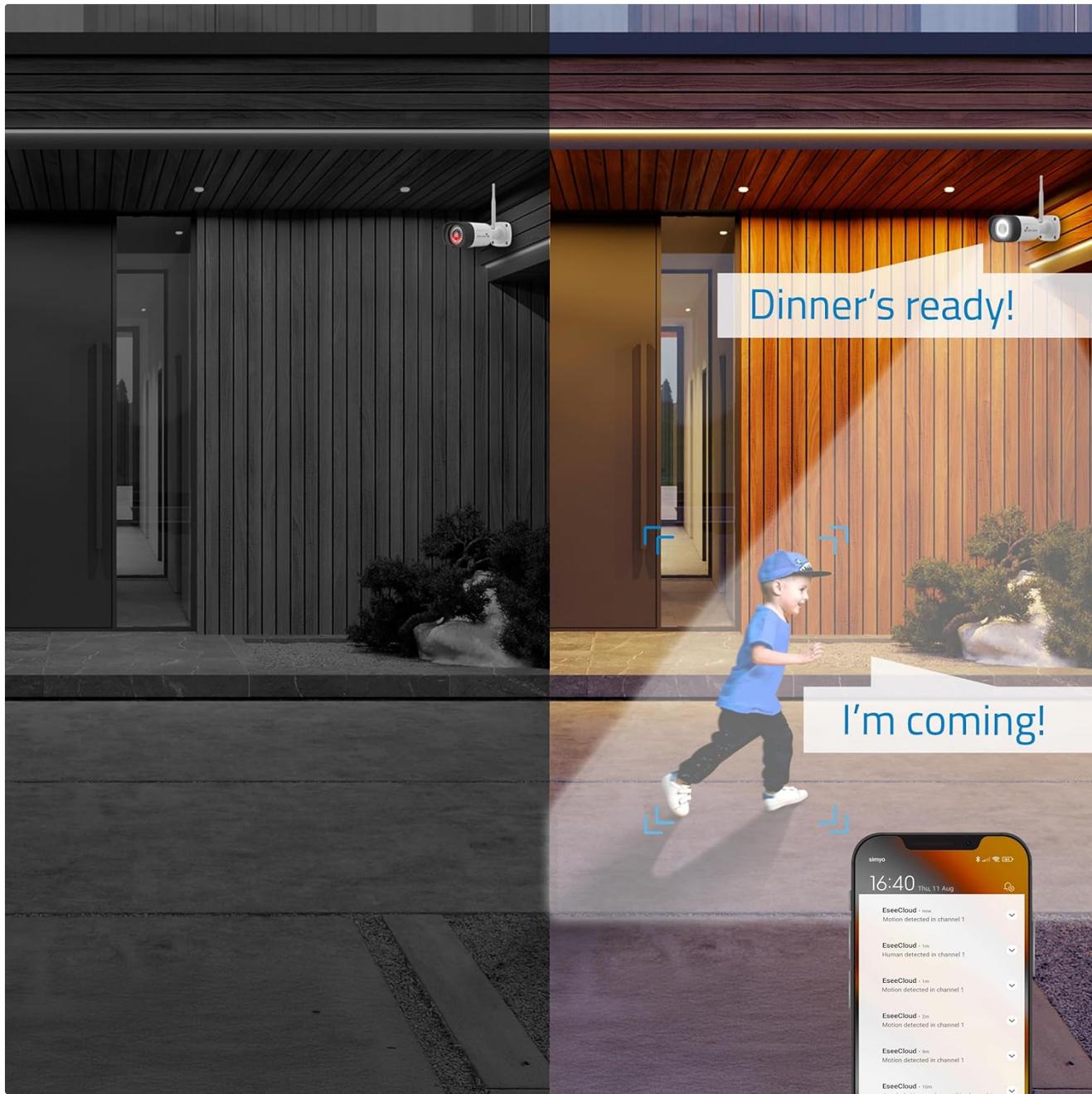


*Image: NIVIAN camera detecting a person at night, with the white LED light activated for color night vision, and a mobile notification indicating motion detection.*

## 5.5. Two-Way Audio

Use the EseeCloud app to utilize the two-way audio feature. This allows you to listen to audio from the camera's location and speak through the camera's built-in speaker.

## 5.6. Night Vision Modes

- **Infrared (IR) Mode:** Provides black and white video in low-light conditions for discreet surveillance.
- **White LED Mode:** When motion is detected in low light, the camera's white LEDs activate, providing full-color video and acting as a deterrent.

# 6. MAINTENANCE

- **Camera Cleaning:** Regularly clean the camera lenses with a soft, damp cloth to ensure clear image quality. Do not use harsh chemicals.
- **Firmware Updates:** Check for firmware updates for the NVR and cameras through the EseeCloud app or NVR settings. Keep your system updated for optimal performance and security.
- **Hard Drive Management:** The 1TB hard drive will automatically overwrite the oldest recordings when full. If you need to preserve specific footage, back it up to an external device.
- **Power Supply Check:** Ensure all power adapters are securely connected and free from damage.

# 7. TROUBLESHOOTING

## 7.1. No Camera Feed

- **Check Power:** Ensure the camera is powered on and its adapter is working.
- **WiFi Signal:** Verify the camera is within the NVR's WiFi range. Use the signal repetition function if necessary.
- **Re-pair Camera:** If issues persist, try re-pairing the camera with the NVR through the NVR's menu.

## 7.2. Poor Image Quality

- **Clean Lens:** Clean the camera lens for any dirt or smudges.
- **Lighting:** Ensure adequate lighting for optimal image quality, especially at night.
- **WiFi Interference:** Reduce potential WiFi interference by moving the camera or NVR, or by using the signal repetition function.

## 7.3. Remote Access Issues (EseeCloud App)

- **Internet Connection:** Ensure both your NVR and mobile device have a stable internet connection.
- **NVR Network Settings:** Verify the NVR is correctly connected to your router and has internet access.
- **App Version:** Ensure your EseeCloud app is updated to the latest version.

## 7.4. Hard Drive Full / Recording Issues

- **Check Storage:** Verify the hard drive status in the NVR settings.
- **Recording Schedule:** Ensure recording schedules are correctly configured.
- **Hard Drive Health:** If issues persist, the hard drive may need to be checked or replaced.

# 8. SPECIFICATIONS

| | |
|---|---|
| **Brand** | NIVIAN |
| **Model Number** | NV-KIT830W-8CAM |
| **Product Dimensions (L x W x H)** | 23 x 12 x 8 cm; 6.2 kilograms |
| **Connectivity Technology** | Wireless (WiFi-6) |
| **Video Recording Resolution** | 2K (3MP) |
| **Number of Channels** | 10 (NVR) |
| **Number of Cameras** | 6 |

| | |
|---|---|
| **Storage Capacity** | 1 TB Hard Drive (included) |
| **Camera Features** | IP Cameras SuperHD with PTZ, Night Vision, AI Human Detection, Two-Way Audio |
| **Frame Rate** | 15 fps, 24 fps, 30 fps |
| **Compatible Devices** | Television (via HDMI) |
| **Power Plug Type** | Wall Mount |
| **Origin Country** | China |

## 9. WARRANTY AND SUPPORT

NIVIAN offers technical support to all customers. If you have any questions, suggestions, or encounter any issues with your WiFi surveillance camera kit, please do not hesitate to contact us.

You can reach us through Amazon messages or via any official NIVIAN brand channel. Please refer to your purchase documentation for specific warranty terms and contact details.