**Swann MRMINI**

# Swann MaxRanger Mini 4K Wireless NVR Security System User Manual

Model: MRMINI

Brand: Swann

## 1. INTRODUCTION

This manual provides essential information for the setup, operation, and maintenance of your Swann MaxRanger Mini 4K Wireless NVR Security System. The system is designed to provide reliable surveillance with advanced features for comprehensive property monitoring.

The MaxRanger Mini system utilizes Wi-Fi HaLow technology to extend wireless signal range beyond traditional Wi-Fi limits, offering coverage up to 1000ft (300m) in line of sight and up to 330ft (100m) through typical home or office obstacles. It captures crystal-clear 4K video, features advanced night vision, and includes intelligent detection capabilities to enhance security.

## 2. WHAT'S IN THE BOX

Verify that all components are present in your package:

- MaxRanger4K MRMINICAM Wireless Cameras (2 units)
- MaxRanger4K NVR Hub with 32GB SD Card Storage
- Outdoor Mounting Stands
- Power Adapter for NVR Hub
- Ethernet Cable
- USB Charging Cable for Cameras
- Mounting Screws and Wall Plugs
- Operating Instructions
- Theft Deterrent Stickers

Image: All components included in the Swann MaxRanger Mini 4K Wireless NVR Security System kit.

## 3. SETUP

The cameras and base station are pre-paired for a seamless wireless connection. Follow these steps for initial setup:

1. **Charge Cameras:** Fully charge the wireless cameras using the provided USB charging cable before installation.

2. **Power On NVR Hub:** Connect the NVR Hub to power using the power adapter. Connect it to your router via the Ethernet cable for initial network setup.

3. **Download Swann Security App:** Download the Swann Security app from your device's app store.

4. **Account Creation & Device Pairing:** Open the app, create an account, and follow the on-screen instructions to scan the QR codes on your devices to add them to your system.

5. **Camera Placement:** Strategically place your cameras using the outdoor mounting stands. Consider areas that require maximum surveillance coverage. The Wi-Fi HaLow technology allows for flexible placement over long distances and through obstacles.

Image: A Swann MaxRanger Mini camera installed on an outdoor wall.

Your browser does not support the video tag.

Video: This video demonstrates how to install the multi-functional mount bracket for the camera, providing visual guidance for secure placement.

# 4. OPERATING INSTRUCTIONS

## 4.1. Wi-Fi HaLow Technology

The MaxRanger Mini utilizes Wi-Fi HaLow for extended range and reliable connectivity. This technology allows the cameras to maintain a strong signal over large properties, up to 1000ft (300m) in line of sight and up to 330ft (100m) across obstacles like walls and ceilings, minimizing signal interruptions.

Image: Illustration of the MaxRanger Mini's long-range Wi-Fi HaLow capability.

## 4.2. 4K Video Quality

The cameras feature 4K image sensors, providing ultra-high-definition video. This allows for clear identification of details such as faces, license plates, and text on objects, with the ability to zoom in for closer inspection.

Image: Comparison showing the clarity difference between 1080p and 4K video.

### 4.3. Night Vision

The system offers both color night vision and infrared (black & white) night vision. With spotlights activated, you can achieve rich color video up to 50ft (15m) at night. In complete darkness with spotlights off, the cameras provide clear black & white vision up to 65ft (20m).

Image: MaxRanger Mini camera providing night vision with spotlights.

## 4.4. True Detect+

True Detect+ technology uses heat, motion, people, and vehicle detection to trigger alerts, recording, spotlights, and sirens. This intelligent system helps prevent unwanted activity by providing accurate and timely notifications to your mobile device.

## 4.5. Two-Way Audio

Each camera is equipped with a microphone and speaker, enabling two-way audio communication. You can listen to audio from the camera's location and speak through the camera using the Swann Security app.

Image: Two-way audio functionality in use.

## 4.6. Free Local Recording

The system includes a 32GB MicroSD card for local storage, offering up to 6 months of video footage before overwriting. This provides free recording without subscription fees.

Image: MicroSD card slot for local storage on the NVR hub.

## 5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your security system:

- **Clean Lenses:** Periodically clean camera lenses with a soft, damp cloth to remove dust and smudges that may affect image clarity.
- **Check Battery Levels:** Monitor camera battery levels via the Swann Security app and recharge as needed.
- **Firmware Updates:** Ensure your NVR Hub and cameras have the latest firmware. Updates often include performance improvements and security enhancements. Check for updates through the Swann Security app.
- **Inspect Wiring:** For the NVR Hub, periodically check power and Ethernet cable connections to ensure

they are secure and undamaged.

- **Review Recordings:** Regularly review recorded footage to ensure the system is capturing events as expected and to manage storage space.

# 6. TROUBLESHOOTING

If you encounter issues with your Swann MaxRanger Mini system, refer to the following common troubleshooting steps:

- **No Video/Offline Camera:**

  - Check camera battery level and recharge if low.
  - Ensure the camera is within range of the NVR Hub.
  - Restart the camera and the NVR Hub.
  - Verify NVR Hub's internet connection.

- **Poor Video Quality:**

  - Clean the camera lens.
  - Ensure adequate lighting for optimal night vision performance.
  - Check for obstructions between the camera and the NVR Hub that might interfere with the wireless signal.

- **Motion Detection Not Working:**

  - Verify motion detection settings in the Swann Security app.
  - Adjust sensitivity levels.
  - Ensure the camera's field of view covers the desired area.

- **App Connectivity Issues:**

  - Ensure your mobile device has a stable internet connection.
  - Restart the Swann Security app.
  - Check for app updates.

For further assistance, consult the comprehensive troubleshooting guide available on the Swann support website or contact customer support.

# 7. SPECIFICATIONS

| Feature | Specification |
|---|---|
| Indoor/Outdoor Usage | Outdoor |
| Power Source | Battery Powered |
| Video Capture Resolution | 4K |
| Number of Items | 2 (Cameras) |
| Number of Channels | 8 (NVR Hub supports up to) |
| Viewing Angle | 110 Degrees |

| Item Dimensions (L x W x H) | 2.36 x 2.36 x 3.5 inches |
|---|---|
| Flash Memory Installed Size | 32 GB (Micro SD) |
| Flash Memory Supported Size Maximum | 64 GB |
| Control Method | App |
| Connectivity Technology | Wireless (Wi-Fi HaLow) |
| Special Features | App Control, Human Detection, Night Vision, Vehicle Detection, Weather Proof |

# 8. WARRANTY AND SUPPORT

Your Swann MaxRanger Mini 4K Wireless NVR Security System is covered by a manufacturer's warranty. Please refer to the warranty card included in your product packaging or visit the official Swann website for detailed warranty terms and conditions.

For technical support, product registration, or to access additional resources such as FAQs and software downloads, please visit the Swann support website or contact their customer service team directly. Contact information can typically be found on the Swann website or in the product packaging.

## Related Documents - MRMINI

| | |
|---|---|
|  | [Swann Wi-Fi Battery-Powered Security Camera Instruction Manual](#)<br>Instruction manual for the Swann Wi-Fi Battery-Powered Security Camera, detailing setup, charging, pairing, mounting, and location tips for optimal performance. Features 2K HD video, battery power, spotlight, siren, and 2-way audio. |
|  | [Swann Wi-Fi NVR Security Camera Instruction Manual](#)<br>Instruction manual for the Swann Wi-Fi NVR Security Camera, detailing setup, connection, pairing, mounting, and location tips for 1080p Full HD video with heat & motion sensing, spotlights, sirens, 2-way audio, and color night vision. |
|  | [Swann PRO-1080MSBPK2 Thermal-Sensing Security Cameras | 1080p HD, Night Vision, PIR Motion Detection](#)<br>Explore Swann's PRO-1080MSBPK2 Thermal-Sensing Security Cameras. Featuring 1080p HD, advanced PIR motion detection, 100ft night vision, weatherproof design, and easy DIY installation for reliable home and business security. |
|  | [Manuel d'instructions pour le système de sécurité Wi-Fi NVR SecureAlert de Swann](#)<br>Ce manuel d'instructions détaillé fournit des informations complètes sur l'installation, la configuration et l'utilisation du système de sécurité Wi-Fi NVR SecureAlert de Swann, y compris les modes de connexion des caméras, la gestion du réseau et les fonctionnalités avancées. |

[Swann Security App User Manual for iOS - Setup, Usage & Troubleshooting Guide](#)
Comprehensive user manual for the Swann Security App on iOS. Learn how to install, set up, pair devices, view live feeds, manage recordings, and troubleshoot common issues for your Swann security system. This reference guide covers setup, usage, and troubleshooting for Swann DVRs, cameras, and sensors on iPhone.

[Swann 4K Pan & Tilt Add-On Security Camera](#)
Swann's 4K Pan & Tilt Add-On Security Camera offers advanced features like 4K Ultra HD resolution, 355° pan and 90° tilt capabilities, controllable spotlights, siren, and 2-way talk. It provides clear night vision, True Detect™ heat and motion sensing, and weatherproof design for reliable outdoor surveillance. Connects via PoE for a single cable solution and is compatible with Swann NVRs.