Swann SWNVK-890004-AU

Swann 12MP NVR Security Camera System (Model SWNVK-890004-AU) Instruction Manual

Comprehensive guide for setup, operation, and maintenance.

1. INTRODUCTION

This manual provides detailed instructions for the installation, configuration, and operation of your Swann 12MP NVR Security Camera System. This system is designed to provide high-resolution surveillance for both home and business environments, featuring advanced video analytics, color night vision, and two-way audio capabilities.

Figure 1: Swann 12MP NVR Security Camera System components.

2. SETUP

2.1. Package Contents

Before beginning installation, verify that all components are present:

- 12MP Professional Bullet Cameras x 4
- 8 Channel NVR with 2TB Hard Drive (installed)
- Ethernet Cable x 5 (60ft / 18m x 4 | 3ft / 1m x 1)
- HDMI Cable
- Mouse
- NVR Power Adapter
- Mounting Screws & Plugs
- Theft Deterrent Stickers
- Operating Instructions

High-powered sensor
spotlights & Red & Blue
flashing lights

Weatherproof casing

Durable stand for
easy mounting

Lens 65°
angle view

Color video
image sensor

Microphone

True Detect™ PIR Heat
& Motion Sensor

Speaker for siren

Figure 2: All included components for the system.

2.2. Initial Connection and Power-Up

It is recommended to connect all components and verify functionality before permanent installation.

1. Connect each camera to an NVR PoE port using the provided Ethernet cables.
2. Connect the NVR's WAN port to your router or network switch using an Ethernet cable for internet access.
3. Connect the NVR to a display (TV or monitor) using the HDMI cable.
4. Plug the USB mouse into a USB port on the NVR.
5. Connect the power adapter to the NVR and then to a power outlet. The system will power on automatically.

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Video 1: Hardware Quickstart Guide for Swann 12MP NVR System. This video demonstrates the physical connections required to set up the NVR and cameras, including connecting Ethernet cables, HDMI, mouse, and power.

2.3. Initial Configuration

Upon first power-up, the NVR will display a Setup Wizard on your connected display. Follow the on-screen prompts to:

- Select your preferred language.

- Set the date and time.

- Create a secure password for the NVR.

- Configure network settings (usually automatic via DHCP).

- Format the hard drive if prompted.

3. OPERATING INSTRUCTIONS

3.1. Live View and Playback

Access the live feed from all connected cameras on your display. Use the mouse to navigate the interface, select individual cameras, or view multiple camera feeds simultaneously. Recorded footage can be accessed and played back through the NVR's menu system.
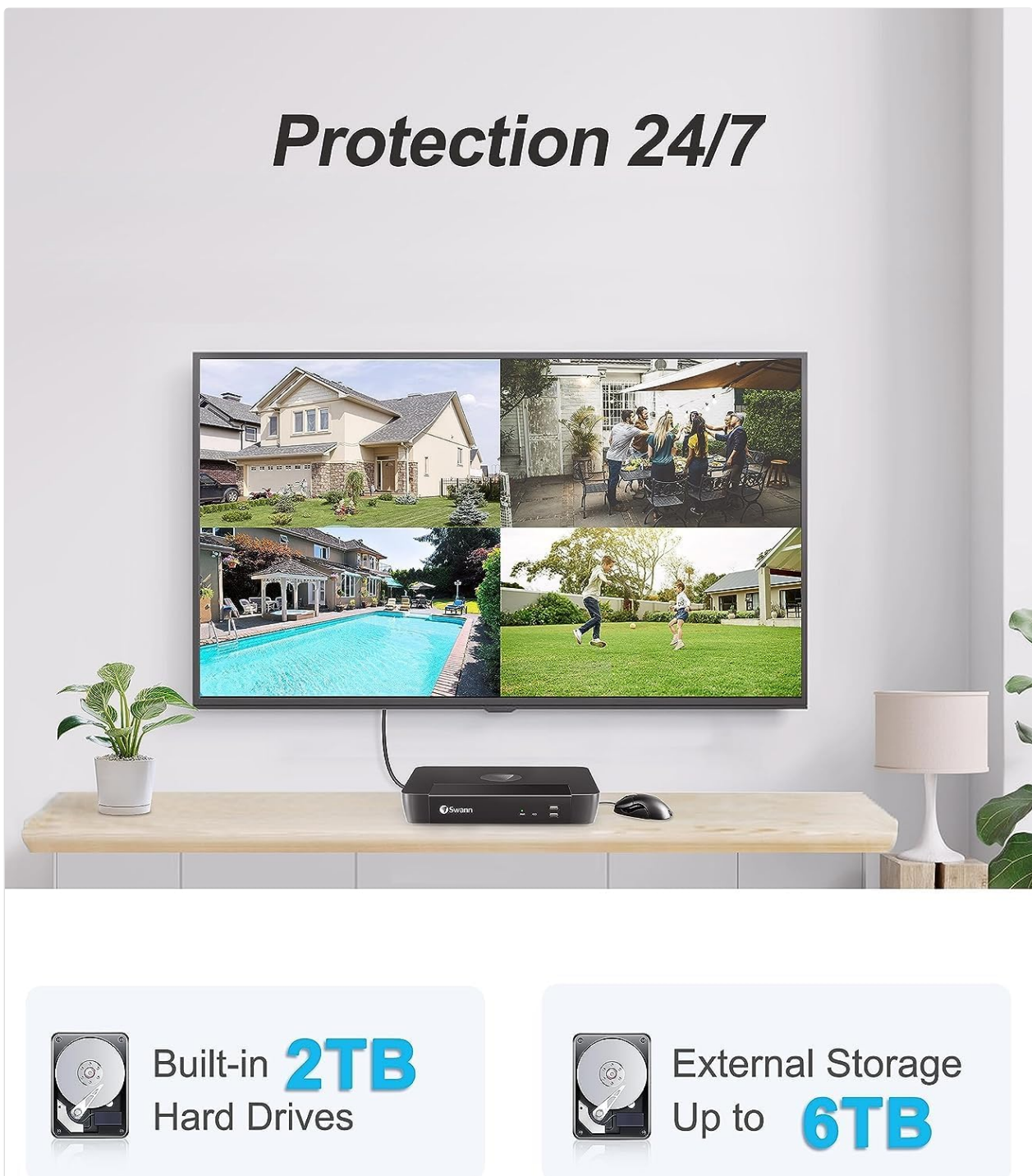

Figure 3: Multi-channel live view on a connected display.

3.2. Smart Video Analytics

The system features advanced video analytics to enhance surveillance and reduce false alarms:

- **Person & Vehicle Detection:** Identifies human and vehicle movement, distinguishing them from other motion sources.
- **Perimeter Intrusion Detection:** Triggers an alert when an object crosses a predefined virtual boundary.
- **Object Left/Removed:** Detects when an object is left in or removed from a specified area.
- **Line Crossing Detection:** Alerts when an object crosses a virtual line in a specific direction.
- **Face Recognition:** Identifies and records known faces, allowing for customized alerts.
- **Heat Mapping:** Analyzes movement patterns to identify high-traffic areas, useful for optimizing camera placement or business operations.

3.3. Night Vision

The cameras provide clear visibility in various lighting conditions:

- **Color Night Vision (Night2Day):** Provides full-color video up to 32ft (10m) in low-light conditions using sensor lights.
- **Infrared (IR) Night Vision:** Delivers black and white video up to 130ft (40m) in complete darkness.

Figure 5: Comparison of black and white versus full color night vision.

3.4. Two-Way Audio

Each camera is equipped with a microphone and speaker, enabling two-way communication. This allows you to listen to audio from the camera's location and speak through the camera using the mobile application.

3.5. Active Deterrence

The cameras feature integrated sensor spotlights and red and blue flashing lights, along with a siren, to actively deter intruders. These can be triggered automatically by motion detection or manually via the mobile app.

Figure 6: Camera spotlight actively deterring an individual.

3.6. Remote Access

The Swann Security App (available for Android and iOS) allows you to view live and recorded video, receive alerts, and control system features remotely from your mobile device. The system also supports voice commands via Hey Google and Alexa for convenient monitoring.

Figure 7: Remote viewing of camera feeds via the Swann Security App.

3.7. Recording and Storage

The NVR includes a pre-installed 2TB hard drive, capable of storing up to 24 months of video. Storage can be expanded up to 6TB. Incident video can also be transferred to your personal Dropbox account for cloud backup.

Figure 8: The system's internal hard drive for video storage.

4. MAINTENANCE

4.1. Hard Drive Management

Regularly check the hard drive status through the NVR's menu to ensure optimal recording performance. If the hard drive becomes full, the system will typically overwrite the oldest footage. Back up important recordings to external storage or cloud services as needed.

4.2. Camera Cleaning

Periodically clean the camera lenses and housings to ensure clear image quality. Use a soft, damp cloth. Avoid abrasive cleaners. The cameras are IP66 weatherproof, designed to withstand outdoor elements, but regular cleaning helps maintain performance.

4.3. Firmware Updates

Check for and install firmware updates for your NVR and cameras regularly. Firmware updates often include performance improvements, new features, and security enhancements. Refer to the Swann Security App or Swann's official website for update procedures.

5. TROUBLESHOOTING

If you encounter issues with your Swann Security Camera System, consider the following common troubleshooting steps:

- **No Video Display:** Ensure all cables (HDMI, Ethernet, power) are securely connected. Verify the display input is set correctly.
- **No Network Connection:** Check the Ethernet cable connection to your router. Restart your router and NVR. Verify network settings in the NVR menu.
- **Poor Image Quality:** Clean camera lenses. Ensure cameras are positioned correctly and not obstructed. Check for sufficient lighting at night.
- **False Motion Alerts:** Adjust motion detection sensitivity settings in the NVR or app. Utilize smart analytics features to filter out irrelevant motion.
- **No Recording:** Check hard drive status and ensure it is formatted and functioning correctly. Verify recording schedules.

For more detailed troubleshooting or persistent issues, refer to the comprehensive user manual available on the Swann support website or contact customer support.

6. SPECIFICATIONS

Feature	Specification
Brand	Swann
Model Number	SWNVK-890004-AU
Connectivity Technology	Wired (PoE)
Video Capture Resolution	12MP
Number of Channels	8

Memory Storage Capacity	2 TB (expandable up to 6 TB)
Special Features	Dual Detection Zone, Motion Sensor, Vehicle Detection, Color Night Vision, 2-Way Audio
Night Vision Range	130ft (40m) B&W, 32ft (10m) Color
Viewing Angle	65 Degrees
Weatherproof Rating	IP66
Operating System	Linux-based or Proprietary Embedded OS
Item Dimensions L x W x H	8.26 x 16.93 x 11.6 inches
Item Weight	2.64 pounds
Power Source	AC
Batteries	1 CR2032 batteries required (included)

7. WARRANTY INFORMATION

The Swann 12MP NVR Security Camera System comes with a **1-Year Limited Warranty**. Please retain your proof of purchase for warranty claims. For full terms and conditions, refer to the warranty documentation included with your product or visit the official Swann website.

8. SUPPORT

For technical assistance, product registration, or to access additional resources such as FAQs and software downloads, please visit the official Swann support website. You can also contact Swann customer service directly for personalized support.

Related Documents - SWNVK-890004-AU

	[Swann Professional HD Security System Instruction Manual (NVR-7450 Series)](#) Comprehensive instruction manual for the Swann Professional HD Security System, NVR-7450 series. Learn how to set up, configure, operate, and troubleshoot your Swann security system for optimal performance and surveillance.
	[Swann Security Skill with Amazon Alexa Setup Guide](#) A comprehensive setup guide to connect your Swann Security cameras with Amazon Alexa, enabling voice control and live video streaming to Echo devices.

	[Swann Security App Quick Start Guide for iOS](#) A concise guide to downloading, registering, and pairing your Swann Security app with your DVR or NVR system. Learn to set up your home security monitoring.
	[Swann Advanced-Series Security Recording Kit DVR4-1260TM with 2 PRO-535TM Cameras | Surveillance System](#) Swann Advanced-Series Security Recording Kit (DVR4-1260TM) includes a 4-channel DVR and two PRO-535TM cameras. Features 600TVL resolution, 65ft night vision, H.264 recording, 500GB HDD, and remote smartphone viewing via the SwannView app.
	[Swann Wi-Fi NVR Security Camera Instruction Manual](#) 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 2K Indoor Cam Quick Start Guide](#) Get started with your Swann 2K Indoor Wi-Fi Security Camera. This guide covers setup, app installation, camera placement, and troubleshooting.