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› Swann 4K Dome IP Digital Still Image Video PoE Camera (NHD-888MSD) User Manual

Swann NHD-888MSD

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Model: NHD-888MSD

Brand: Swann

INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Swann 4K Dome IP Digital Still Image Video PoE Camera (Model NHD-888MSD).

The Swann NHD-888MSD is a 4K / 8MP (3840 x 2160 pixels) dome IP security camera designed for both indoor and outdoor use. It features a 93° viewing angle, 1-way audio with a microphone range of 16ft/5m, and night vision up to 150ft/45m in total darkness or 200ft/60m with ambient light. The camera incorporates True Detect PIR thermal/motion sensing with a range of up to 32ft/10m and has an IP66 weather rating.



Image: Two Swann 4K Dome IP Cameras, white dome-shaped units with black camera lenses and a small sensor on the front.

PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- (2) NHD-888MSD Cameras
- (2) Cat5e Ethernet Cables (60ft / 18m)

1. Planning Your Installation

Consider the following when planning your camera placement:

- **Viewing Angle:** The camera offers a 93° viewing angle. Position it to cover the desired area effectively.
- **Power over Ethernet (PoE):** These cameras are PoE, meaning power and data are supplied via a single Ethernet cable. Ensure your NVR or network switch supports PoE.
- **Night Vision:** For optimal night vision performance, avoid placing the camera directly facing strong light sources that could cause glare.
- **Weather Protection:** While rated IP66 for outdoor use, consider sheltered locations to prolong product life.



Image: A Swann dome camera mounted on a textured exterior wall, positioned above and to the left of a traditional outdoor lantern-style light fixture.

2. Mounting the Camera

1. **Select Location:** Choose a suitable mounting surface (wall or ceiling) that provides a clear view and is within reach of the provided Cat5e Ethernet cable.
2. **Mark Drill Holes:** Use the camera's base as a template to mark the positions for drilling.
3. **Drill Holes:** Drill pilot holes for the mounting screws. If mounting on masonry, insert wall plugs.
4. **Secure Camera:** Attach the camera base to the mounting surface using the provided screws.
5. **Adjust Angle:** Loosen the adjustment screws on the camera body to position the lens for the desired viewing angle. Tighten screws once adjusted.

3. Connecting the Camera

1. Connect one end of the Cat5e Ethernet cable to the camera's Ethernet port.
2. Connect the other end of the Cat5e Ethernet cable to a PoE port on your compatible Swann NVR or PoE network switch.
3. Ensure the NVR or network switch is powered on. The camera will receive power and data automatically.

OPERATING INSTRUCTIONS

1. Initial Setup with NVR

Refer to your Swann NVR's user manual for specific instructions on adding IP cameras to your system. Generally, the NVR will automatically detect and configure PoE cameras connected to its dedicated PoE ports.

2. Accessing Live View

Once connected and configured, you can view the live feed from your camera through your Swann NVR's interface or via the Swann App on your smartphone or tablet.

3. Smart Analytics and Alerts

The camera supports Human and Vehicle Detection. Configure these settings within your NVR or the Swann App to receive smart alerts and notifications on your phone.

4. Recording Options

Your NVR offers various recording modes:

- **Continuous 24/7 Recording:** Records constantly to the NVR's hard drive.
- **True Detect (Heat & Motion) Triggered Recording:** Records only when heat and motion are detected by the PIR sensor. This conserves storage space and extends recording duration.

5. Audio Functionality

The camera includes a built-in microphone for 1-way audio recording. Ensure audio recording is enabled in your NVR settings if you wish to capture sound.

MAINTENANCE

1. Cleaning the Camera

Periodically clean the camera lens and housing to ensure optimal image quality. Use a soft, damp cloth. Avoid abrasive cleaners or solvents.

2. Firmware Updates

Check the Swann website or your NVR's settings periodically for available firmware updates. Keeping your camera's

firmware up-to-date ensures optimal performance and security.

3. Cable Inspection

Inspect the Ethernet cables for any signs of wear or damage, especially in outdoor installations. Damaged cables can affect camera performance.

TROUBLESHOOTING

No Image/Video from Camera:

- Ensure the Ethernet cable is securely connected at both the camera and the NVR/PoE switch.
- Verify that the NVR/PoE switch is powered on and functioning correctly.
- Check if the camera is properly added and configured in your NVR's settings.
- Try connecting the camera to a different PoE port or using a different Ethernet cable.

Poor Image Quality:

- Clean the camera lens with a soft cloth.
- Ensure there are no obstructions in the camera's field of view.
- Check for strong light sources causing glare, especially during night vision operation.
- Verify the video resolution settings in your NVR.

Motion Detection Not Working/False Alarms:

- Adjust the sensitivity settings for True Detect (PIR) in your NVR or Swann App.
- Ensure the camera's PIR sensor is not obstructed.
- Avoid placing the camera where moving objects like tree branches or reflections might trigger false alarms.

No Audio Recording:

- Verify that audio recording is enabled in your NVR's camera settings.
- Ensure the camera's microphone is not obstructed.

SPECIFICATIONS



Image: A close-up front view of a single white Swann dome camera, showing the black lens housing, main lens, and the small PIR sensor.

Swann NHD-888MSD Camera Specifications

Feature	Detail
Model Number	NHD-888MSD
Video Quality	4K / 8MP (3840 x 2160 pixels)
Viewing Angle	93 Degrees
Audio	1-Way Audio, Built-in Microphone

Feature	Detail
Audio Range	16ft / 5m
Night Vision Distance	Up to 150ft / 45m (total darkness), Up to 200ft / 60m (with ambient light)
Low Light Technology	Thermal Sensing
PIR Thermal / Motion Sensor	Yes, True Detect
PIR Sensor Range	Up to 32ft / 10m
Indoor / Outdoor Use	Indoor or Outdoor
IP Rating	IP66
Operating Temperature	-22°F ~ 131°F / -30°C ~ 55°C
Dimensions	3.94" x 3.94" / 100mm x 100mm
Connectivity Technology	Wired (PoE)
Controller Type	Amazon Alexa, Google Assistant (via compatible NVR)
Form Factor	Dome
Item Weight	3 pounds
UPC	840236128259

WARRANTY INFORMATION

Swann provides a **1-Year Limited Warranty** against factory defects for this product. This warranty covers manufacturing defects and technical support. If you encounter any issues with your product within one year of purchase, please contact Swann customer service for assistance, including potential replacement of the item.

For detailed warranty terms and conditions, please refer to the official Swann website or contact their customer support.

CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty claims, please visit the official Swann support website or contact their customer service department.

Online Resources: [Swann Support Website](#)

Contact Information: Refer to the Swann website for the most current contact details, including phone numbers and email support.

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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

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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