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Seco-Larm EV-N6506-3W4Q

Seco-Larm EV-N6506-3W4Q IP Covert PIR Camera User Manual

Model: EV-N6506-3W4Q

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of the Seco-Larm EV-N6506-3W4Q IP Covert PIR Camera. This device is a high-performance surveillance solution designed for discreet monitoring, featuring a 2MP Sony STARVIS CMOS sensor, IP65 weatherproof rating, and remote access capabilities. Please read this manual thoroughly before installation and use to ensure proper functionality and safety.

2. Safety Information

WARNING: Failure to follow these safety instructions could result in fire, electric shock, or other injury or damage.

- Ensure all power is disconnected before installation or servicing.
- Installation should be performed by qualified personnel in accordance with all local electrical codes.
- Do not expose the camera to extreme temperatures outside its operating range (0°C to 50°C / 32°F to 122°F).
- Do not attempt to disassemble or modify the camera. This will void the warranty.
- Use only the specified power supply (12VDC or PoE IEEE 802.3af).

3. Package Contents

Verify that all items are present in the package:

- Seco-Larm EV-N6506-3W4Q IP Covert PIR Camera
- Mounting hardware (screws, anchors)
- Quick Start Guide (if applicable)

4. Product Overview

The EV-N6506-3W4Q is a discreet IP camera integrated into a PIR sensor housing, designed for covert surveillance. Its

compact form factor and IP65 rating make it suitable for various indoor and outdoor applications.





Figure 1: Seco-Larm EV-N6506-3W4Q IP Covert PIR Camera. This image displays the Seco-Larm EV-N6506-3W4Q IP Covert PIR Camera. It features a white, rectangular casing designed for discreet installation. The upper section contains a translucent, textured lens area, indicative of its PIR (Passive Infrared) sensor and camera. Below this, a small black dot likely represents the pinhole camera lens. The camera is shown from a slight angle, highlighting its compact and low-profile design.

Key Features:

- 1/2.8” 2MP Sony STARVIS CMOS Sensor
- Full HD 2MP (1920×1080) resolution at 30FPS
- H.265, H.264/MJPEG Tri-stream IP Camera
- IP65 Weatherproof rating
- Remote access via web browser
- PIR (Passive Infrared) motion detection
- 2.5mm lens with F2.0 aperture
- 12VDC or Power over Ethernet (PoE IEEE 802.3af)

5. Setup and Installation

5.1 Mounting the Camera

1. **Select a Location:** Choose a suitable location for surveillance, considering the camera's 120° viewing angle and PIR detection range. Ensure the surface is stable and can support the camera's weight. The IP65 rating allows for outdoor placement, but avoid direct exposure to harsh elements if possible.
2. **Mark Drilling Points:** Use the camera's mounting bracket (if separate) or the camera itself as a template to mark the screw holes on the wall or ceiling.
3. **Drill Holes:** Drill pilot holes at the marked points. Insert wall anchors if mounting into drywall or masonry.
4. **Secure the Camera:** Attach the camera securely to the mounting surface using the provided screws.

5.2 Wiring and Power Connection

The camera supports two power options: 12VDC or Power over Ethernet (PoE).

- **12VDC Power:** Connect a regulated 12VDC power supply (minimum 140mA) to the camera's power input. Ensure correct polarity.
- **PoE (IEEE 802.3af):** If using PoE, connect an Ethernet cable from a PoE-enabled switch or injector to the camera's RJ45 port. The camera will draw power directly through the Ethernet cable.

Network Connection: Connect an Ethernet cable from your network router or switch to the camera's RJ45 port for network access. If using PoE, this single cable provides both power and data.

5.3 Initial Configuration

1. **Connect to Network:** Ensure the camera is powered on and connected to your local network.
2. **Discover Camera IP:** Use a network scanner tool or the manufacturer's utility software (if provided) to find the camera's IP address on your network. The camera typically obtains an IP address via DHCP by default.
3. **Access Web Interface:** Open a web browser (e.g., Chrome, Firefox) and enter the camera's IP address in the address bar.

4. **Login:** Enter the default username and password (refer to the Quick Start Guide or manufacturer's documentation for default credentials). Change these immediately for security.
5. **Configure Settings:** Within the web interface, configure network settings, video resolution, recording options, motion detection zones, and other camera parameters as needed.

6. Operation

6.1 Live View and Recording

Once configured, you can access the live video feed through the web browser interface or compatible NVR/VMS software. Configure recording schedules, motion-triggered recording, or continuous recording as per your surveillance requirements.

6.2 Motion Detection (PIR)

The integrated PIR sensor detects heat signatures, reducing false alarms compared to pixel-based motion detection. Configure PIR sensitivity and alarm actions (e.g., record, send notification) within the camera's web interface.

6.3 Remote Access

To access the camera remotely from outside your local network, you may need to configure port forwarding on your router or use a P2P/Cloud service provided by Seco-Larm (if available). Refer to your router's manual and the camera's software documentation for detailed instructions on remote access setup.

7. Maintenance

- **Cleaning:** Periodically clean the camera lens and housing with a soft, dry cloth. Do not use harsh chemicals or abrasive cleaners.
- **Firmware Updates:** Check the Seco-Larm website for available firmware updates. Regularly updating firmware can improve performance, add features, and enhance security. Follow the manufacturer's instructions carefully when performing updates.
- **Password Security:** Regularly change your camera's login password to a strong, unique password to prevent unauthorized access.

8. Troubleshooting

8.1 No Power

- Verify the 12VDC power adapter is correctly connected and functioning, or that the PoE switch/injector is active and providing power.
- Check all cable connections for secure fit.

8.2 No Video Feed

- Ensure the camera is powered on and connected to the network.
- Verify the network cable is securely connected and not damaged.
- Confirm the camera's IP address is correct and accessible from your viewing device.
- Check firewall settings on your computer or network that might be blocking access.
- Try restarting the camera and your network equipment.

8.3 Poor Video Quality

- Clean the camera lens.
- Check network bandwidth. Insufficient bandwidth can cause choppy or low-quality video.
- Adjust video resolution and compression settings in the camera's web interface.

8.4 Motion Detection Not Working

- Ensure PIR motion detection is enabled in the camera settings.
- Adjust PIR sensitivity.
- Verify that there are no obstructions blocking the PIR sensor's field of view.

9. Specifications

Model	EV-N6506-3W4Q
Image Sensor	1/2.8” 2MP Sony STARVIS CMOS
Resolution	2MP (1920×1080)
Video Encoding	H.265, H.264, MJPEG (Tri-stream)
Frame Rate	Max. 30FPS
Lens	2.5mm, F2.0
Viewing Angle	120°
Minimum Illumination	0.01 Lux
Digital Noise Reduction	2D-NR, 3D-NR
Dynamic Range	DWDR
IP Rating	IP65 Weatherproof
Operating Voltage	12VDC, PoE (IEEE 802.3af)
Current Draw	140mA max.
Operating Temperature	0°C ~ 50°C (32°F ~ 122°F)
Dimensions	2.75 x 4.48 x 3.07 inches (70 x 114 x 78 mm)
Weight	3.8 oz (110g)

10. Warranty and Support

Seco-Larm products are backed by a limited warranty. For specific warranty terms and conditions, please refer to the official Seco-Larm website or contact their customer support. Technical support is available for assistance with installation, configuration, and troubleshooting.

For further assistance, please visit the official Seco-Larm website or contact their customer service department. Keep your purchase receipt for warranty claims.

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