SMONET SMUS-W842M1TAS-WL-XM

SMONET 1080P WiFi Security Camera System User Manual

Model: SMUS-W842M1TAS-WL-XM

1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your SMONET 1080P WiFi Security Camera System. This system is designed to provide reliable surveillance for your home or office, featuring 1080P HD resolution cameras with two-way audio, night vision, and AI human detection. The system includes an 8-channel NVR with a pre-installed 1TB hard drive for continuous 24/7 recording.



Image 1.1: Overview of the SMONET 1080P WiFi Security Camera System, showing the NVR, four cameras, and a smartphone displaying live view.

2. Package Contents

Please check the package contents carefully upon unboxing. If any items are missing or damaged, contact SMONET customer support.

- 1 x 8-Channel NVR (Network Video Recorder) with 1TB Hard Drive
- 4 x 1080P Wireless IP Cameras
- 5 x Power Adapters (1 for NVR, 4 for cameras)
- 1 x USB Mouse
- 1 x Ethernet Cable
- 1 x HDMI Cable
- Mounting Screws and Anchors
- User Manual (this document)

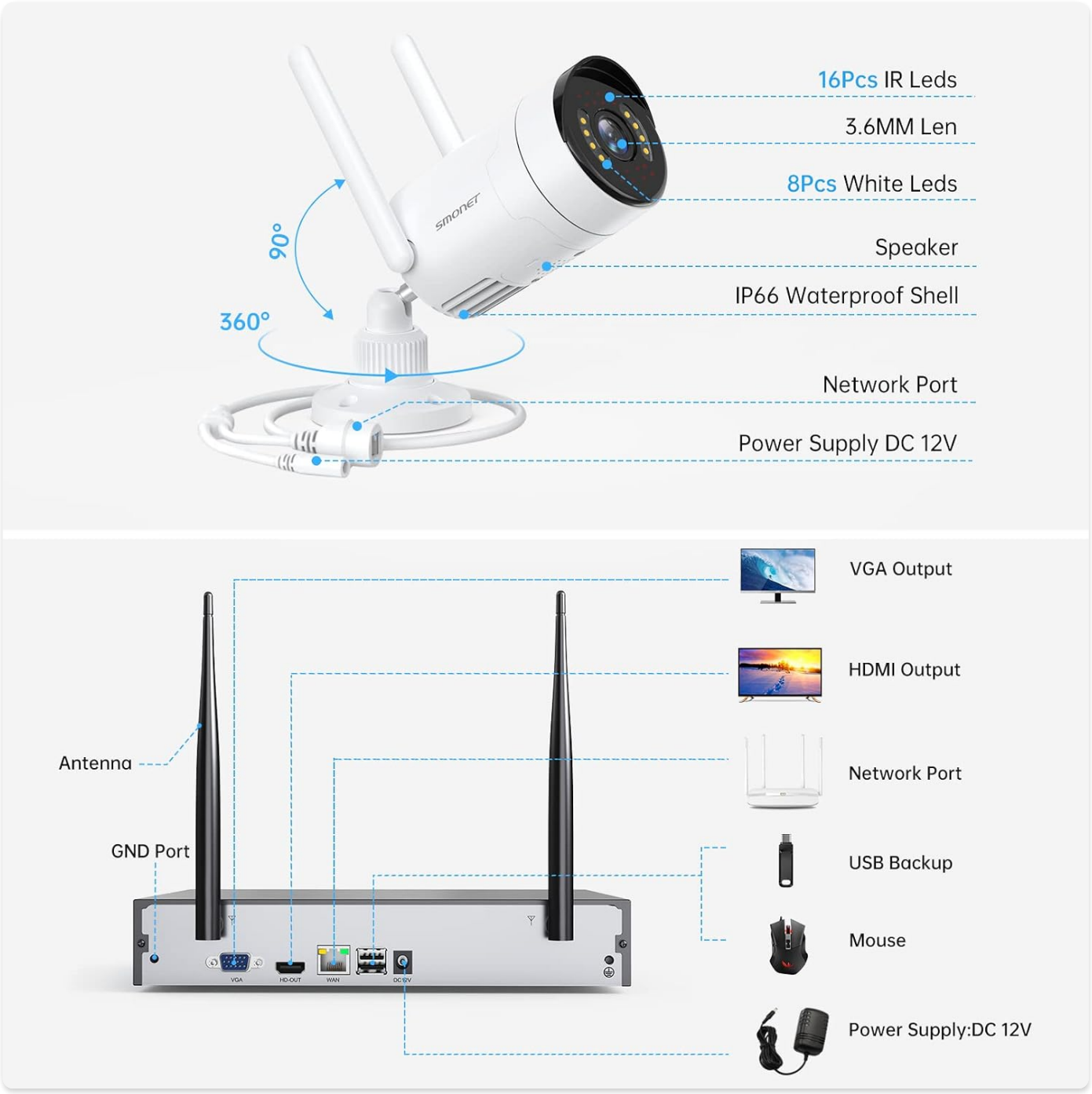


Image 2.1: Detailed view of the NVR and camera components, including ports for VGA, HDMI, Network, USB, and power supply.

3. Setup

The SMONET system is designed for easy plug-and-play setup. Cameras are pre-paired with the NVR before shipping.

3.1 Initial Connection

1. Connect the NVR to a monitor (TV or PC monitor) using the provided HDMI or VGA cable.
2. Connect the USB mouse to the NVR's USB port.
3. Connect the NVR to its power adapter and plug it into an electrical outlet.
4. Connect each camera to its respective power adapter and plug them into electrical outlets. The cameras will automatically connect to the NVR.



Image 3.1: Illustration of the plug-and-play setup, showing cameras and NVR connected to power and the NVR connected to a monitor.

3.2 Remote Access Setup (Optional)

For remote viewing on your smartphone, tablet, or PC, connect the NVR to your router using the provided Ethernet cable.

1. Download the free mobile application "XMeye Pro" from your device's app store (available for iOS and Android).
2. Follow the in-app instructions to add your NVR device. This typically involves scanning a QR code on the NVR or manually entering its ID.
3. For PC access, contact SMONET support to obtain the "VMS" software.

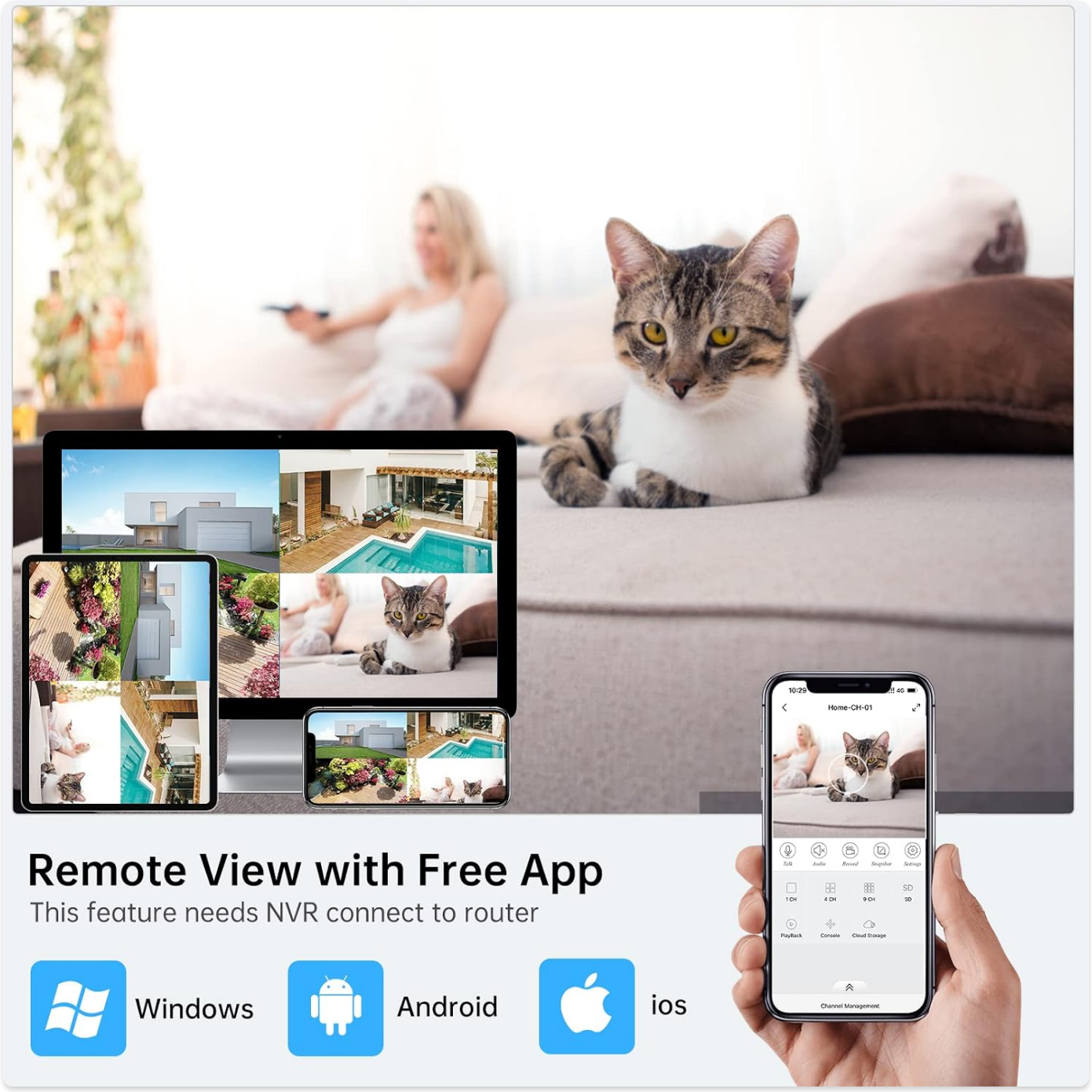


Image 3.2: Remote viewing capabilities via smartphone, tablet, and PC applications.

4. Operating the System

4.1 Live View and Recording

Once powered on, the system will automatically begin recording to the pre-installed 1TB hard drive. You can view live footage on the connected monitor or via the mobile app.

- **Continuous Recording:** The system records 24/7 by default.
- **Motion Detection Recording:** Configure motion detection zones and sensitivity in the NVR settings to record only when motion is detected.

4.2 Two-Way Audio

Each camera is equipped with a built-in microphone and speaker, allowing for two-way communication.

- Access the camera's live view through the mobile app.
- Tap the microphone icon to speak through the camera's speaker.
- Audio from the camera's microphone will be heard through your device.



Image 4.1: Demonstration of the two-way audio feature, allowing communication through the camera.

4.3 Night Vision and Spotlight

The cameras provide clear visibility in low-light conditions.

- **Infrared Night Vision:** 8 infrared LEDs provide up to 65ft of clear black-and-white night vision.
- **Spotlight & Color Night Vision:** The integrated spotlight activates upon human detection at night, providing full-color night vision and acting as a deterrent.



Image 4.2: Comparison of clear night vision (black and white) and color night vision with spotlight activation.

4.4 AI Human Detection and Alerts

The system can differentiate human shapes from other moving objects, reducing false alarms.

- Configure AI human detection zones in the NVR settings.
- Receive instant email alerts or push notifications to your smartphone when human motion is detected.



Image 4.3: Visual representation of AI human detection triggering email and push notifications.

4.5 Video Playback and Backup

Access recorded footage directly from the NVR or via the mobile app.

- Use the NVR interface to search for recordings by date and time.
- The 1TB hard drive supports approximately 30 days of 24/7 recording. When full, older footage will be overwritten automatically.
- Backup footage to a USB drive via the NVR's USB port.

5. Maintenance

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

- **Camera Cleaning:** Periodically wipe the camera lenses with a soft, damp cloth to remove dust and dirt. Avoid abrasive cleaners.
- **Connection Check:** Ensure all power cables and network cables are securely connected to prevent interruptions.
- **Hard Drive Health:** The NVR's operating system (Linux) manages the 1TB hard drive. While it automatically overwrites old data, it's good practice to occasionally check the hard drive status in the NVR settings.
- **Firmware Updates:** Check the SMONET official website or contact support for any available firmware updates for your NVR and cameras.

6. Troubleshooting

This section addresses common issues you might encounter.

6.1 No Video Display on Monitor

- **Check Power:** Ensure the NVR and monitor are powered on and their power adapters are securely plugged in.
- **Cable Connection:** Verify that the HDMI or VGA cable is firmly connected between the NVR and the monitor.
- **Monitor Input:** Confirm the monitor's input source is set correctly (e.g., HDMI1, VGA).

6.2 Cameras Not Showing Video

- **Camera Power:** Ensure each camera is receiving power from its adapter.
- **Wireless Signal:** Although pre-paired, ensure cameras are within range of the NVR. The system has an "Auto Repeat" function where cameras with poor signals can connect via cameras with good signals to improve transmission.
- **Re-pairing:** If a camera loses connection, you may need to re-pair it with the NVR. Refer to the NVR's on-screen menu for pairing instructions.

6.3 Remote Access Not Working

- **NVR Network Connection:** Ensure the Ethernet cable is securely connected between the NVR and your router, and the router has an active internet connection.
- **App Settings:** Double-check the device ID entered in the "XMeye Pro" app. Ensure your smartphone has an active internet connection.
- **Firewall/Router Settings:** In some cases, router firewall settings might block access. You may need to configure port forwarding (default port 34567) on your router. Consult your router's manual or ISP for assistance.

6.4 Excessive False Alarms

- **Adjust Sensitivity:** Reduce the motion detection sensitivity in the NVR settings.
- **Configure Detection Zones:** Draw specific detection zones to exclude areas with frequent irrelevant motion (e.g., trees swaying, busy roads).
- **AI Human Detection:** Ensure AI human detection is enabled and configured correctly to filter out non-human movements.

7. Specifications

Feature	Specification
Brand	SMONET
Model Number	SMUS-W842M1TAS-WL-XM
Connectivity Technology	Wireless
Video Capture Resolution	1080p
Special Features	Wireless, Waterproof, Night Vision, Two-Way Audio, Spotlight, Motion/Human Detection
Number of Channels	8
Memory Storage Capacity	1 TB (Pre-installed Hard Drive)
Power Source	DC
Item Dimensions (L x W x H)	13.1 x 5.8 x 11.1 inches
Operating System	Linux
Compatible Devices	TV, Extra Cameras, Repeater, iOS/Android Smartphones, PC
Signal Format	Digital
Low Light Technology	Night Vision
Focal Length	3.6mm
Night Vision Range	65 Feet
Frame Rate	12fps
Recording Mode	Continuous, Motion Detection
Optical Sensor Technology	CMOS
Total USB Ports	2
Hardware Interface	VGA, HDMI, USB 2.0
Lens Type	Fixed
Video Input	VGA, HDMI
Viewing Angle	90 Degrees
Video Compression	H.265+
Waterproof Rating	IP66
Operating Temperature	-20℃ to +55℃ (14°F to 131°F)

8. Warranty and Support

SMONET is committed to providing reliable security solutions. For any technical assistance, troubleshooting beyond this manual, or inquiries regarding your product's warranty, please contact SMONET customer support.
Please note that SMONET does not take responsibility for installation services. For detailed support, refer to the contact information provided with your product packaging or visit the official SMONET website.

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Example: How do I reset this device or fix this error?

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