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xmartO WNP810-W6

xmartO WNP810-W6 WiFi 6 Solar Security Camera System User Manual

Model: WNP810-W6

1. PRODUCT OVERVIEW

This manual provides instructions for the xmartO WiFi 6 Long Range Wire-Free Solar Home Security Camera System. This system includes a WNP810-W6 10-channel WiFi 6 NVR and 10 solar WiFi cameras, designed for comprehensive indoor and outdoor surveillance.

Key features include:

- **10-Camera Bundle:** Monitor up to 10 areas simultaneously with the included cameras.
- **Long-lasting Solar Power:** Cameras are equipped with automotive-grade rechargeable batteries and solar panels for continuous power.
- **Extended WiFi 6 Coverage:** Cameras operate up to 1300ft from the NVR in line of sight, ensuring flexible placement.
- **PIR Thermal & Humanoid Detection:** Advanced detection minimizes false alerts, sending notifications for people, animals, or vehicles.
- **Standalone NVR with Dual-WiFi:** The NVR features two WiFi modules, one for camera connections and another for internet access, preventing network lag.



Image 1.1: Overview of the xmartO WiFi 6 Solar Security Camera System with NVR and cameras.

2. SETUP INSTRUCTIONS

2.1 Unboxing and Initial Inspection

Carefully unpack all components. Verify that all items listed in the packaging contents are present and undamaged. Contact customer support immediately if any items are missing or damaged.

2.2 NVR Connection

Connect the NVR to a monitor using an HDMI or VGA cable. Connect the power adapter to the NVR and plug it into an electrical outlet. The NVR will power on automatically. For internet access, connect the NVR to your router via an Ethernet cable or configure its internal WiFi connection.



Image 2.1: NVR ports and indicators for connection.

2.3 Camera Installation and Pairing

The cameras are designed for wire-free installation. Mount the solar panel in a location that receives ample direct sunlight throughout the day to ensure optimal charging. Position the camera to cover the desired surveillance area.

100% Wire-free

Easy to Install



Image 2.2: Example of wire-free camera installation with solar panel.

Initial Battery Charge: Before first use, fully charge the camera batteries to 100% using a standard 5V USB charger. This ensures maximum battery life and performance.

Pairing: Follow the on-screen instructions on the NVR monitor to pair the 10 cameras with the NVR. The system is designed for easy plug-and-play setup.



Image 2.3: Illustration of the long-range WiFi capability.

3. OPERATING INSTRUCTIONS

3.1 Remote Viewing and Playback

Access your camera feeds and recorded footage from anywhere using the dedicated mobile application or through the NVR connected to a monitor. The system supports live viewing and playback of recorded events.



Image 3.1: Remote viewing on mobile and desktop devices.

View & Playback from anywhere
Record Videos to SD Card, NVR or Cloud



Image 3.2: Mobile app interface showing live view and recording options.

3.2 Motion Detection and Alerts

The cameras utilize PIR thermal sensors and humanoid detection to accurately identify motion from people, animals, and vehicles, reducing false alarms. When motion is detected, the system can send instant alerts to your mobile app or email.

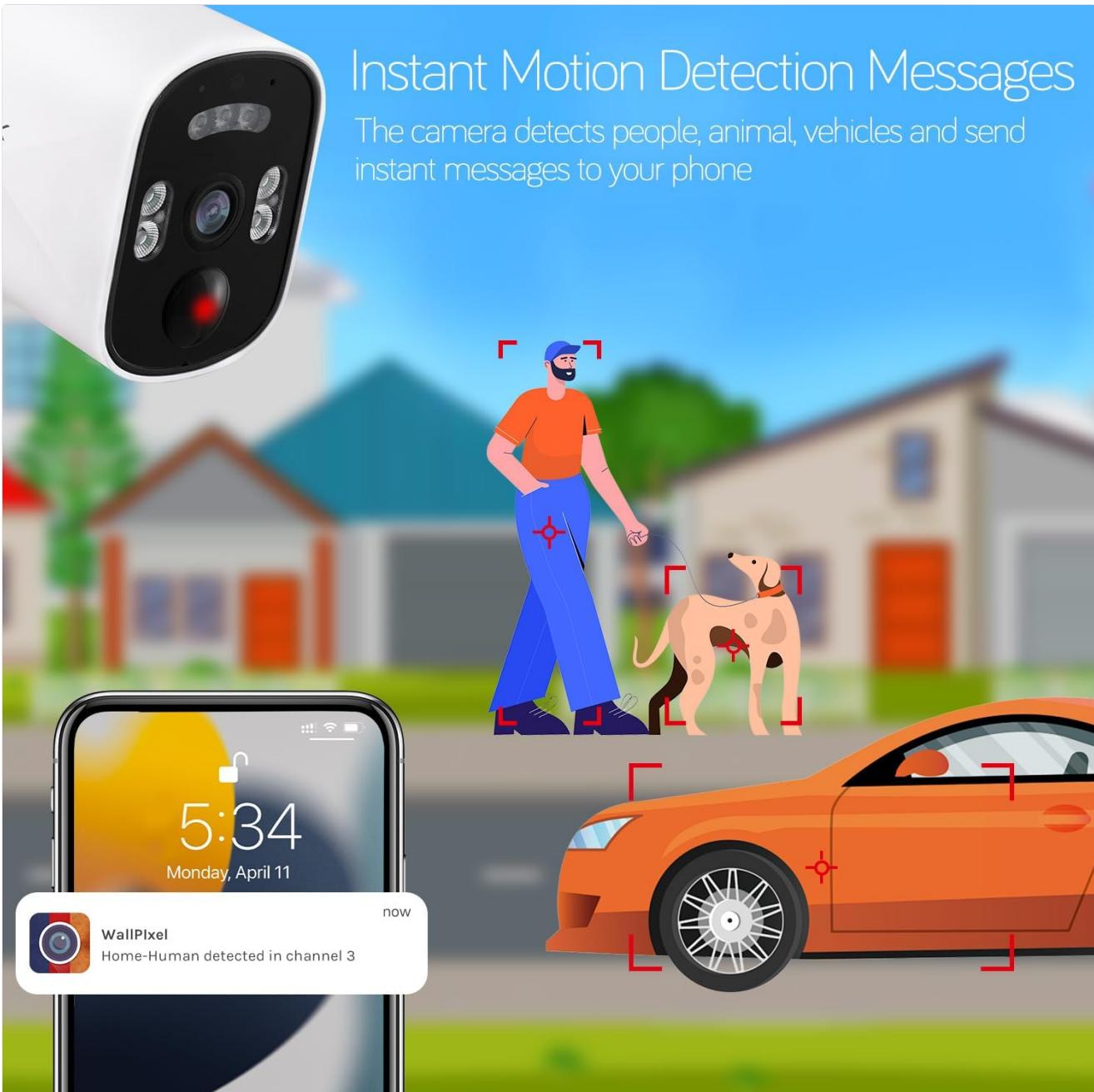


Image 3.3: Motion detection in action with app notification.

3.3 Recording Modes

The system offers flexible recording options:

- **Motion-Activated Recording:** When powered by solar and battery, cameras record only when motion is detected to conserve power.
- **24/7 Continuous Recording:** If the camera is connected to a 5V phone charger (plugged in), it can record continuously.

Works on Motion or 24/7



Image 3.4: Comparison of motion-activated and 24/7 recording modes.

3.4 Automatic Warning Lights and Siren

Upon detecting an intruder, the cameras can automatically activate warning lights and a siren to deter unwanted visitors and alert you.

Automatic Warning Lights & Siren



Image 3.5: Automatic warning lights and siren in action.

4. MAINTENANCE

4.1 Solar Panel and Battery Care

Ensure the solar panels are kept clean and free from obstructions (e.g., leaves, dirt, snow) to maximize sunlight absorption. The solar panel is designed to replenish the camera's automotive-grade rechargeable batteries daily, reducing the need for manual recharging after the initial full charge.



Big Battery Pack, All-Weather- Charge

Unlike most cameras, this camera has 9000mAh big battery pack, not 5000mAh batteries.

Image 4.1: Solar panel and battery features, highlighting all-weather charging.



Image 4.2: Cameras are designed to operate in various weather conditions.

4.2 Firmware Updates

Periodically check for firmware updates for both the NVR and cameras through the mobile app or NVR interface. Updates can improve performance, add new features, and enhance security.

5. TROUBLESHOOTING

5.1 No Camera Feed

- **Check Power:** Ensure the camera battery is charged and the solar panel is receiving sunlight.
- **WiFi Signal:** Verify the camera is within the NVR's WiFi range. Relocate the camera or NVR if the signal is weak.
- **Re-pair Camera:** If necessary, try re-pairing the camera with the NVR following the setup instructions.

5.2 Frequent False Alerts

- **Adjust Sensitivity:** Reduce the motion detection sensitivity settings in the camera's configuration.
- **Detection Zones:** Configure specific detection zones to exclude areas with frequent irrelevant motion (e.g., moving trees, busy roads).
- **PIR Placement:** Ensure the PIR sensor is not directly facing heat sources or areas with rapid temperature changes.

5.3 NVR Not Connecting to Internet

- **Ethernet Cable:** If using a wired connection, ensure the Ethernet cable is securely connected to both the NVR and your router.
- **WiFi Configuration:** If using WiFi, check the NVR's network settings and ensure it's connected to the correct network with a strong signal.
- **Router Status:** Verify your home router is functioning correctly and has internet access.

6. SPECIFICATIONS

Feature	Detail
Model	WNP810-W6
Camera Resolution	4MP QHD
NVR Channels	10-Channel (Expandable)
WiFi Standard	WiFi 6
Wireless Range	Up to 1300ft (line of sight)
Camera Power	Wire-Free, Solar Powered with 9000mAh Rechargeable Batteries
Detection Type	PIR Thermal Sensors, Humanoid Detection
NVR Connectivity	Dual-WiFi Modules (for cameras & internet), Ethernet, HDMI, VGA, USB
Recording Options	SD Card (camera), NVR (HDD), Cloud Storage
Operating Environment	Suitable for Indoors/Outdoors (All-Weather Charge)
First Available Date	September 19, 2024

7. WARRANTY AND SUPPORT

7.1 Warranty Information

This xmartO product is covered by a **1-Year Limited Warranty** from the date of purchase. This warranty covers

manufacturing defects and ensures the product functions as intended under normal use.

7.2 Return Policy

A **30-Day Money Back Guarantee** and free return policy are offered for this product. Please refer to your purchase platform's return guidelines for detailed instructions.

7.3 Customer Support

For technical assistance, troubleshooting, or any product-related inquiries, xmartO provides **24/7 Online Support**. Please visit the official xmartO website or refer to the contact information provided with your product packaging for support options.



Image 7.1: Overview of after-sales support.