

## xmartO WNM810

# XMARTO WNM810 10-Channel H.265 4K UHD Network Video Recorder User Manual

Model: WNM810 | Brand: xmartO

## 1. PRODUCT OVERVIEW

The XMARTO WNM810 is a 10-Channel H.265 4K UHD Network Video Recorder (NVR) designed for surveillance systems. It supports up to 10 cameras with resolutions up to 4K (8MP). This NVR features dual built-in WiFi routers, allowing it to receive and record camera feeds using its own bandwidth, thereby reducing strain on your home network. It also includes G3 Auto WiFi Relay technology to extend WiFi coverage for cameras.

The NVR supports various storage options including a 64GB SD card (included), a 2.5" SATA HDD/SSD (not included), and cloud storage services.



*Figure 1: XMARTO WNM810 10-Channel NVR*

## 2. PACKAGE CONTENTS

Before proceeding with installation, please verify that all items listed below are included in your package:

- (1) WNM810 WiFi NVR
- (1) 100-240V AC to 12V 2A DC Power Adapter
- (1) USB Mouse
- (1) User Guide

# Package Includes



**10-channel WiFi NVR**



**HDMI Cable**



**USB Mouse**



**12V 2A Power Adapter  
for NVR**



**User Guide**

*Figure 2: Included items in the XMARTO WNM810 NVR package*

## 3. SETUP AND INSTALLATION

### 3.1 NVR Connections

Connect the NVR to your display and network using the following steps:

1. **Power Connection:** Connect the provided 12V 2A DC Power Adapter to the 'DC IN' port on the NVR and then plug it into a power outlet.

2. **Mouse Connection:** Plug the USB mouse into one of the USB ports on the NVR.
3. **Display Connection:** Connect an HDMI cable from the NVR's 'HDMI output' port to your monitor or TV. Alternatively, use a VGA cable if your display supports it.
4. **Network Connection:** For initial setup or if you prefer a wired connection, connect an Ethernet cable from the NVR's 'LAN' port to your router. The NVR also features a second WiFi for its Internet connection, eliminating the need for a hardwired connection to your router for remote access.

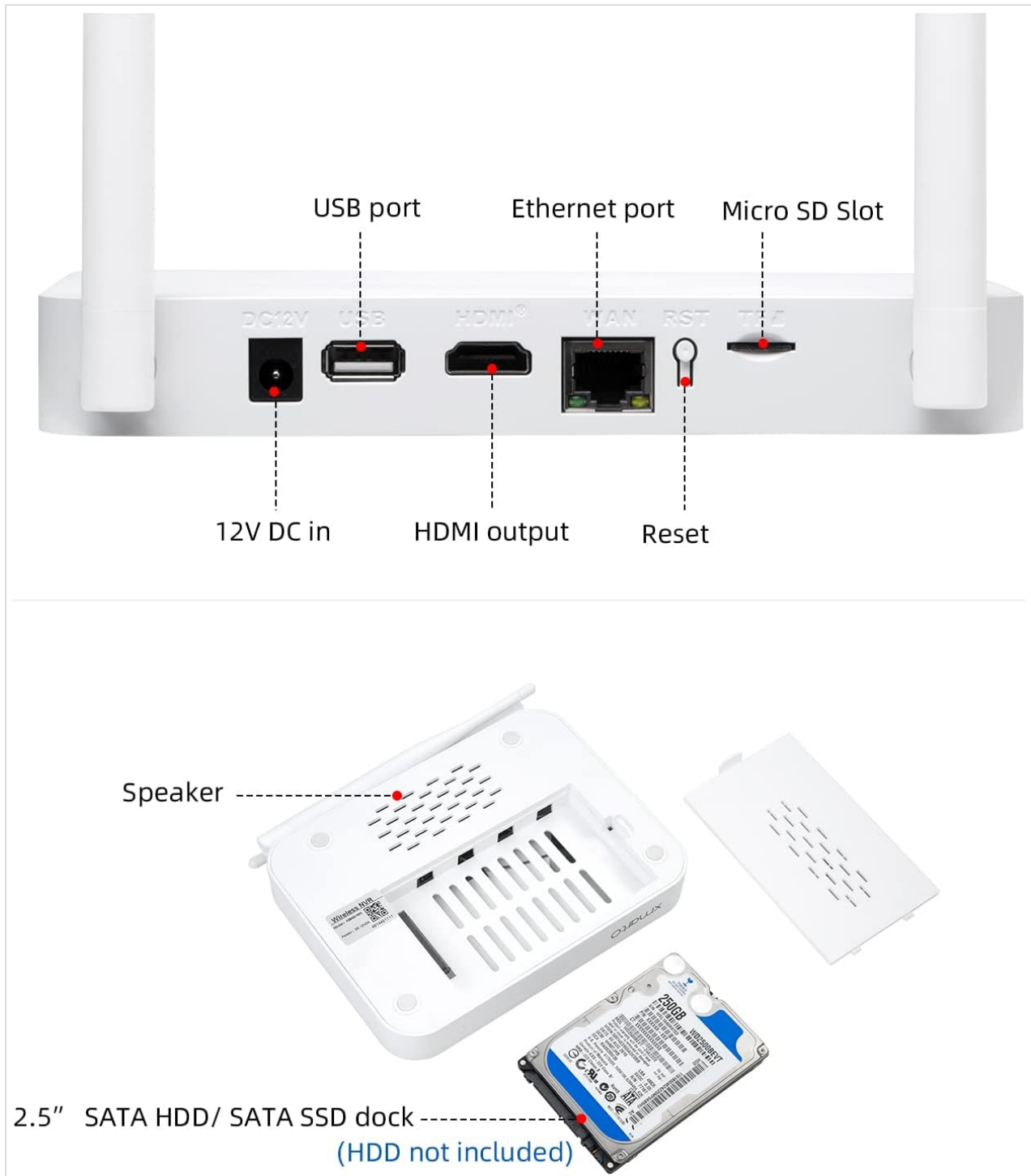


Figure 3: NVR Rear Ports (DC IN, USB, HDMI, VGA, LAN, Reset, Antenna mounts)

### 3.2 Hard Drive Installation (Optional)

The NVR supports a 2.5" SATA HDD/SSD for local storage. Follow these steps to install a hard drive:

1. **Power Off:** Ensure the NVR is powered off and unplugged before opening the casing.
2. **Remove Cover:** Carefully remove the NVR's cover by unscrewing the necessary screws.

3. **Connect Cables:** Connect the SATA power and data cables from the NVR to your 2.5" SATA HDD/SSD.
4. **Secure Drive:** Place the hard drive into the designated bay and secure it with screws.
5. **Replace Cover:** Reattach the NVR's cover and secure it with screws.

## 2.5" SATA HDD/ SSD Dock



\* HDD not included

Figure 4: Internal view showing 2.5" SATA HDD/SSD dock

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Video 1: Guide on how to install a hard drive in a DVR/NVR unit.

### 3.3 Camera Pairing

The XMARTO WNM810 NVR is compatible with most XMARTO security cameras. Pairing cameras is straightforward:

1. **For Cameras with Ethernet Port:** Simply hardwire the camera to the NVR. In the NVR's Camera Management interface, search for the camera and select 'Match code' to pair.

2. **For Cameras with Reset Buttons:** Reset the camera by holding its reset button for 10 seconds. On the NVR's right-click menu, select 'Add Cam by WiFi'. The NVR will automatically pair the camera.

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*Video 2: Demonstration of connecting a PoE camera to a DVR/NVR system.*

## 4. OPERATING INSTRUCTIONS

### 4.1 Live View and Recording

Once cameras are paired, you can view live feeds on your connected monitor. The NVR supports up to 10 channels, allowing you to monitor multiple cameras simultaneously. Recordings are managed through the NVR's interface, with options for continuous, event-triggered, or scheduled recording.



*Figure 5: NVR with long-range WiFi capabilities*





*Figure 6: Multi-camera live view on monitor and mobile devices*

#### **4.2 H.265+ Video Compression**

The NVR utilizes H.265+ video compression technology. This advanced compression reduces video file sizes and stream bandwidth requirements, optimizing storage capacity and improving remote viewing performance.

#### **4.3 G3 Auto WiFi Relay**

The integrated G3 Auto WiFi Relay (Dream Liner Technology) allows the system to automatically use closer cameras as WiFi repeaters for cameras located further away. This extends the overall WiFi coverage and ensures stable connections for all cameras.

#### **4.4 Storage Options**

Recordings can be saved to the included 64GB SD card, an optional 2.5" SATA HDD/SSD, or to cloud storage services (subscription may be required).

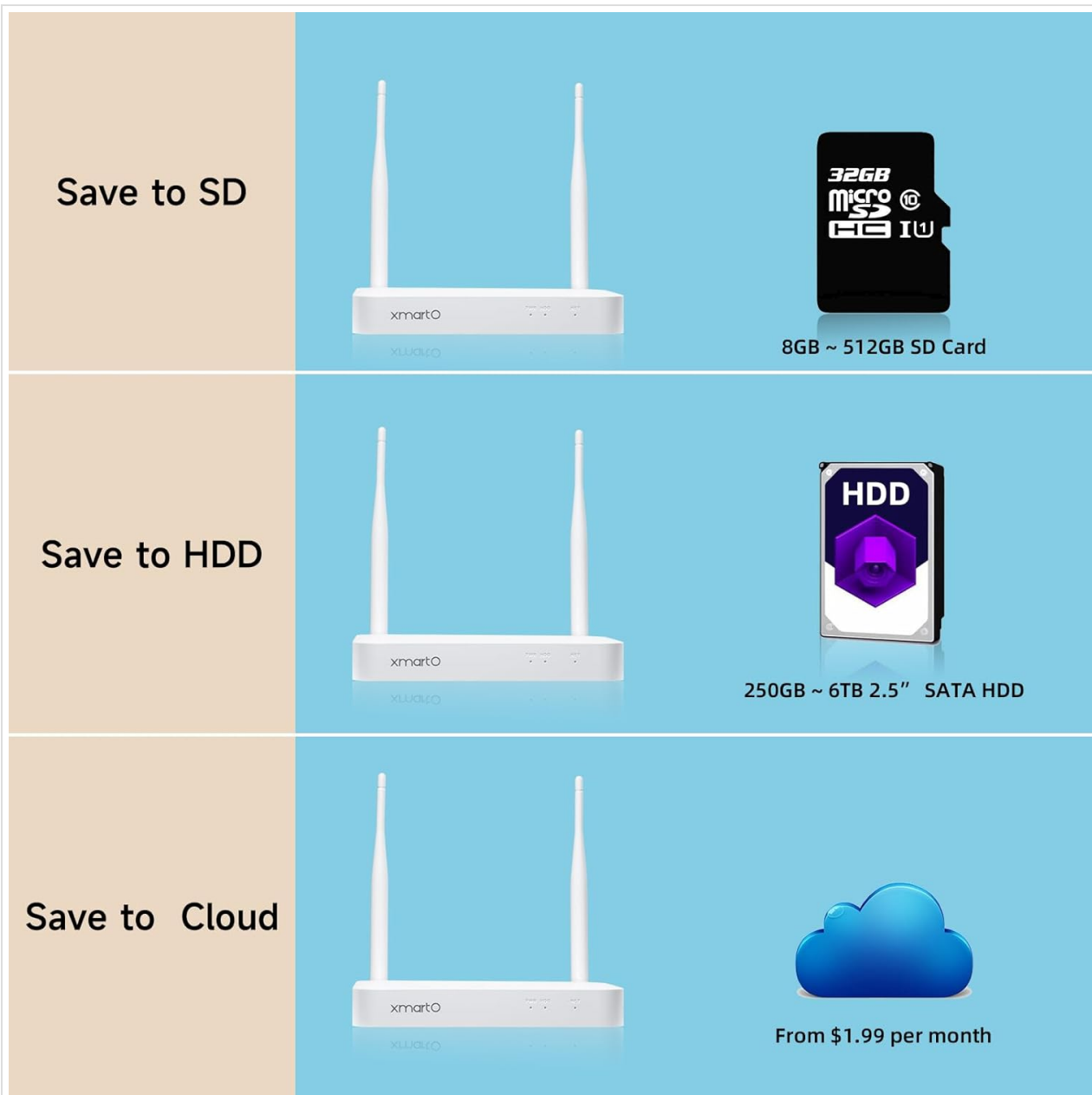


Figure 7: Available storage options for the NVR

## 5. MAINTENANCE

### 5.1 Hard Drive Management

After installing a new hard drive, it is recommended to format it through the NVR's system settings to ensure proper recording functionality. Regularly check the hard drive status to prevent data loss.

### 5.2 Firmware Updates

Periodically check for and install firmware updates to ensure optimal performance, security, and access to new features. Firmware updates are typically available on the xmartO official website.

## 6. TROUBLESHOOTING

### 6.1 Camera Connection Issues



If a camera fails to connect or loses connection, ensure it is powered on and within range of the NVR's WiFi or a WiFi repeater camera. For initial pairing, temporarily connect the camera via Ethernet to the NVR to sync WiFi information. If your home WiFi signal is weak in certain areas, consider utilizing your home router's WiFi or a WiFi extender for cameras, rather than solely relying on the NVR's internal WiFi for those specific locations.

## 6.2 No Video Output




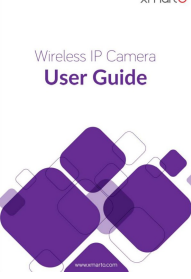

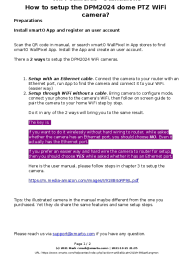
Check all HDMI/VGA cable connections between the NVR and your display. Ensure the display input source is correctly selected. Verify the NVR is powered on and its status lights indicate normal operation.

## 7. SPECIFICATIONS

<b>Brand</b>	xmartO
<b>Model Number</b>	WNM810
<b>Number of Channels</b>	10
<b>Video Input</b>	IP Input
<b>Connectivity Technology</b>	Wi-Fi
<b>Video Compression</b>	H.265+
<b>Max Camera Resolution</b>	4K (8MP)
<b>Internal Storage</b>	Supports 2.5" SATA HDD/SSD
<b>External Storage</b>	64GB SD Card (included), Cloud Storage
<b>Dual WiFi Routers</b>	Yes
<b>G3 Auto WiFi Relay</b>	Yes
<b>Operating System</b>	Surveillance Linux OS
<b>Package Dimensions</b>	13.66 x 11.02 x 2.95 inches
<b>Item Weight</b>	1.85 pounds
<b>UPC</b>	782003563552

## 8. WARRANTY AND SUPPORT

For detailed warranty information, technical support, and further assistance, please refer to the official xmartO website or contact their customer service. The full user manual may contain additional troubleshooting steps and advanced configuration options.

	<p><a href="#">xmartO Wireless NVR System User Manual - Installation, Operation &amp; Features</a></p> <p>Comprehensive user manual for the xmartO Wireless NVR System (Ver. 2.0), covering installation, setup, device management, recording, playback, network configuration, and remote access for home and business surveillance.</p>
	<p><a href="#">Xmarto IP Camera User Guide: Setup, Features, and App Usage</a></p> <p>Comprehensive user guide for Xmarto IP cameras, covering setup, camera parts, app features like live footage and playback, motion detection, settings, and troubleshooting. Learn how to install and use your Xmarto camera effectively.</p>
	<p><a href="#">xmarto DY3034 IP Camera User Guide</a></p> <p>Comprehensive user guide for the xmarto DY3034 IP Camera, covering setup, app usage, camera settings, motion detection, recording, and NVR pairing. Learn how to install, configure, and operate your xmarto security camera.</p>
	<p><a href="#">Xmarto Wireless IP Camera User Guide</a></p> <p>A comprehensive user guide for the Xmarto Wireless IP Camera, covering setup, app usage, features, and specifications.</p>
	<p><a href="#">XmartO HD Wi-Fi Security Camera System User Guide - Setup, Operation, and Features</a></p> <p>Comprehensive user guide for the XmartO HD Wi-Fi Security Camera System (models like WSS30822-1TB, WZ3034), covering setup, NVR and camera details, live view, recording, mobile app usage, PC/Mac client, and light control. Includes safety tips and system overview.</p>
	<p><a href="#">How to Setup the DPM2024 Dome PTZ WiFi Camera   xmartO</a></p> <p>A comprehensive guide on setting up your xmartO DPM2024 dome PTZ WiFi camera, covering preparations, app installation, and two primary setup methods: wired (Ethernet) and wireless (WiFi).</p>