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› Digital Watchdog VMAX IP Plus DW-VP124T8P User Manual

Digital Watchdog DW-VP124T8P

Digital Watchdog VMAX® IP Plus DW-VP124T8P

8-CHANNEL PoE NVR WITH 4 VIRTUAL CHANNELS AND 4TB STORAGE - USER MANUAL

1. Product Overview

The Digital Watchdog VMAX IP Plus DW-VP124T8P is an advanced and user-friendly 8-channel PoE NVR designed for seamless setup and superior performance. This NVR supports single-sensor IP cameras up to 4K resolution, delivering high-quality video with an impressive 80Mbps throughput. It features innovative CCIP encryption for enhanced security and resilience against unauthorized access. Easily power up to 8 cameras directly via PoE, and expand to 12 cameras with an external PoE switch. The system is compatible with the DW Witness app, allowing smartphones or tablets to function as additional cameras, and utilizes PathFinder P2P technology for secure and effortless remote access. Comprehensive diagnostic tools ensure system reliability and up-to-date performance.

2. Key Features

- **Quick Setup:** Full installation and configuration in under three minutes with an intuitive startup wizard.
- **4TB Storage:** Comes with 4TB of storage, with options to expand up to 24TB, meeting diverse recording needs.
- **8 PoE Ports:** Built-in PoE switch powers up to 8 cameras, expandable to 12 cameras with an external switch.
- **4K Recording Support:** Handles cameras up to 3840×2160 resolution, ensuring sharp and detailed video.
- **Secure System:** CCIP encryption ensures your system is protected from network vulnerabilities.
- **Mobile App Integration:** Utilize the DW Witness app to turn mobile devices into real-time surveillance cameras.
- **PathFinder Remote Access:** Effortlessly connect to your system remotely via secure P2P technology.
- **Multi-Channel Management:** Supports up to 64 shared channels and 16 remote connections simultaneously.
- **Advanced Monitoring Tools:** Features include Snapshot Notify, email notifications, dual-stream recording, and instant playback backup.
- **Flexible Software:** Integrates with C3 CMS software for centralized management of up to 144 channels.

3. Package Contents

Verify that all items are present and in good condition upon unpacking.

- Digital Watchdog VMAX IP Plus DW-VP124T8P Video Recorder
- Power Adapter
- USB Mouse
- Quick Start Guide
- Mounting Hardware (if applicable)

4. Setup Guide

4.1 Unpacking and Initial Inspection

Carefully remove the NVR from its packaging. Inspect the unit for any signs of damage during transit. Ensure all accessories listed in the package contents are present.

4.2 NVR Front Panel Overview



Figure 4.1: Front view of the VMAX IP Plus NVR. This image displays the front panel of the NVR, featuring LED indicators for Power (PWR), Status (STA), Record (REC), and Network (NET), along with a power button and a front USB port for easy access.

4.3 NVR Rear Panel Connections

The rear panel of the NVR provides all necessary ports for power, network, video output, and camera connections.



Figure 4.2: Rear view of the VMAX IP Plus NVR. This image illustrates the rear panel, highlighting the 8 PoE ports for direct camera connection, LAN ports, TV Out (BNC), Audio Out, HDMI Out, VGA Out, USB ports, and alarm input/output terminals.

4.4 Connecting the NVR

1. **Connect Cameras:** Connect your IP cameras to the PoE ports (LAN 1-8) on the rear panel. The NVR will provide power and data over a single Ethernet cable. For more than 8 cameras (up to 12), use an external PoE switch connected to a standard LAN port.
2. **Connect to Network:** Connect the NVR's LAN port to your network router or switch using an Ethernet cable.
3. **Connect Display:** Connect a monitor to the NVR using either the HDMI Out or VGA Out port.
4. **Connect USB Mouse:** Plug the included USB mouse into one of the USB ports (front or rear).

5. **Connect Power:** Connect the power adapter to the NVR's DC 48V input and then plug it into a power outlet.

4.5 Powering On

After all connections are made, press the power button on the front panel. The NVR will boot up, and the PWR LED indicator will illuminate. The initial setup wizard will appear on the connected monitor.

5. Operating Instructions

5.1 Initial Configuration Wizard

Upon first boot, the NVR will guide you through a quick setup wizard. Follow the on-screen prompts to:

- Set up administrator password.
- Configure network settings (DHCP recommended for easy setup).
- Set date and time.
- Scan and add connected IP cameras.

5.2 Camera Connection and Management

The NVR automatically detects and configures Digital Watchdog IP cameras. For third-party cameras, manual configuration may be required via the NVR's camera management interface. You can view live feeds, adjust camera settings, and manage recording schedules from this interface.

5.3 Recording Settings

The NVR supports various recording modes:

- **Continuous Recording:** Records 24/7.
- **Motion Detection Recording:** Records only when motion is detected.
- **Schedule Recording:** Records based on a predefined schedule.
- **Event Recording:** Records based on external alarm triggers.

Configure these settings for each camera through the NVR's menu system. Ensure sufficient storage is allocated for desired recording duration.

5.4 Remote Access (PathFinder P2P)

PathFinder P2P technology allows for secure and easy remote access to your NVR without complex network configurations. Enable P2P in the NVR's network settings and use the unique device ID to connect via the DW Witness mobile app or C3 CMS software.

5.5 Mobile App Integration (DW Witness)

Download the DW Witness app from your mobile device's app store. The app allows you to:

- View live camera feeds.
- Playback recorded footage.
- Receive push notifications for events.
- Use your mobile device as an additional surveillance camera.

6. Maintenance

6.1 Firmware Updates

Regularly check for and install firmware updates to ensure optimal performance, security, and access to new features. Firmware updates can typically be performed via the NVR's system settings or by downloading from the Digital Watchdog support website.

6.2 Hard Drive Management

The NVR includes a 4TB hard drive. Ensure the hard drive is healthy and has sufficient space. The NVR can be configured to overwrite old footage automatically when the drive is full. Periodically check the hard drive status in the system settings.

6.3 Cleaning

Keep the NVR unit clean and free from dust to prevent overheating. Use a soft, dry cloth for cleaning the exterior. Do not use liquid cleaners or abrasive materials.

7. Troubleshooting

Problem	Possible Cause	Solution
NVR does not power on.	Power cable loose or faulty; power outlet issue.	Check power connections; try a different outlet.
No video output on monitor.	Display cable loose or faulty; incorrect input selected on monitor.	Ensure display cable is securely connected; select correct input source on monitor.
Cameras not showing video.	Camera not powered; network cable issue; camera not added/configured.	Check PoE connection to camera; verify network cables; ensure cameras are added in NVR settings.
Cannot access NVR remotely.	Network connectivity issue; P2P disabled; incorrect device ID.	Verify NVR has internet access; enable PathFinder P2P; double-check device ID.
Recording not working.	Hard drive full or faulty; recording schedule not set; motion detection not configured.	Check hard drive status and capacity; configure recording schedules or motion detection settings.

8. Technical Specifications

Feature	Specification
Model Number	DW-VP124T8P
Channels	8 PoE Ports (expandable to 12 with external switch)
Storage Capacity	4TB (expandable up to 24TB)
Max Resolution Support	Up to 4K (3840×2160)
Throughput	80Mbps
Video Outputs	HDMI, VGA, BNC (TV Out)
Audio Output	Yes

Feature	Specification
USB Ports	Multiple (front and rear)
Network Interface	Ethernet (LAN)
Manufacturer	Digital Watchdog
Country of Origin	USA

9. Warranty and Support

Digital Watchdog products are backed by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Digital Watchdog website. For technical support, troubleshooting assistance, or service inquiries, please contact Digital Watchdog customer support directly. Keep your product model number (DW-VP124T8P) and serial number ready when contacting support.

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