

## VIVOTEK ND9323P

# VIVOTEK ND9323P H.265 8-Channel Embedded PoE NVR User Manual

Model: ND9323P

## 1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of the VIVOTEK ND9323P H.265 8-Channel Embedded PoE Network Video Recorder (NVR). Please read this manual thoroughly before using the product to ensure proper and safe operation. Keep this manual for future reference.

## 2. SAFETY INFORMATION

Observe the following safety precautions to prevent damage to the NVR and to ensure user safety:

- **Power Supply:** Use only the power adapter supplied with the NVR. Ensure the power source matches the NVR's voltage requirements.
- **Ventilation:** Do not block any ventilation openings. Install the NVR in a well-ventilated area to prevent overheating.
- **Environment:** Avoid exposing the NVR to water, moisture, extreme temperatures, or direct sunlight. Do not place heavy objects on the NVR.
- **Servicing:** Do not attempt to service this product yourself. Refer all servicing to qualified service personnel.
- **Handling:** Handle the NVR with care. Avoid dropping or subjecting it to strong impacts.

## 3. PACKAGE CONTENTS

Carefully unpack the box and ensure all items are present and in good condition. If any items are missing or damaged, contact your vendor immediately.

- VIVOTEK ND9323P NVR Unit
- Power Adapter
- USB Mouse
- Quick Installation Guide

- Accessory Pack (Screws for HDD installation, Ethernet cable)
- Case (referring to the NVR enclosure itself)



Figure 3.1: VIVOTEK ND9323P NVR unit. This image shows the front panel of the NVR, typically featuring status indicators and USB ports.

## 4. PRODUCT OVERVIEW

The VIVOTEK ND9323P is an 8-channel embedded Network Video Recorder designed for IP surveillance systems. It supports H.265 video compression for efficient storage and bandwidth usage. With its integrated Power over Ethernet (PoE) ports, it simplifies camera installation by providing both power and data connectivity through a single Ethernet cable.

### 4.1 Key Features

- 8-Channel Video Input
- H.265/H.264 Video Compression
- 8 x 802.3at/af PoE Ports
- Local Display Output (HDMI/VGA)
- Remote Access via VIVOTEK VIVOCLOUD App or VMS
- Supports up to 16TB HDD storage (HDD not included)

### 4.2 Front and Rear Panels

Refer to the Quick Installation Guide for detailed diagrams of the front and rear panels, indicating ports and indicators.

- **Front Panel:** Power LED, HDD LED, Network LED, USB ports.
- **Rear Panel:** Power input, LAN port, PoE ports (1-8), HDMI output, VGA output, Audio I/O, USB ports.

## 5. SETUP

### 5.1 Hard Drive Installation (Optional)

The NVR does not typically include a pre-installed hard drive. Follow these steps to install a 3.5-inch SATA hard drive:

1. Unscrew and remove the NVR's top cover.
2. Connect the SATA data and power cables from the NVR to the hard drive.
3. Secure the hard drive to the NVR chassis using the provided screws.

4. Replace the top cover and secure it with screws.

*Note: Ensure the NVR is powered off and unplugged before installing or removing a hard drive.*

## 5.2 Physical Connections

1. **Connect Cameras:** Connect your IP cameras to the NVR's PoE ports (1-8) using Ethernet cables. The NVR will provide power and network connectivity to the cameras.
2. **Connect to Network:** Connect the NVR's LAN port to your local network router or switch using an Ethernet cable.
3. **Connect Display:** Connect a monitor to the NVR's HDMI or VGA output port.
4. **Connect Mouse:** Plug the USB mouse into one of the NVR's USB ports.
5. **Power On:** Connect the power adapter to the NVR's power input and then plug it into a power outlet. The NVR will power on automatically.

## 5.3 Initial Configuration

Upon first boot, the NVR will guide you through a setup wizard on the connected monitor:

1. **Language Selection:** Choose your preferred language.
2. **Password Setup:** Create a strong password for the administrator account. This is crucial for security.
3. **Network Settings:** Configure network settings (DHCP or Static IP). DHCP is recommended for most home users.
4. **Time and Date:** Set the correct time zone, date, and time.
5. **Hard Drive Initialization:** If you installed a new hard drive, the NVR will prompt you to format it. Confirm to proceed. **Warning:** Formatting will erase all data on the drive.
6. **Camera Search and Add:** The NVR will automatically search for connected VIVOTEK cameras. Select and add them to the NVR.
7. **Finish:** Complete the wizard to access the NVR's live view.

# 6. OPERATING THE NVR

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## 6.1 Accessing the NVR

You can access and manage the NVR through various methods:

- **Local Display:** Directly via the connected monitor and USB mouse.
- **Web Browser:** Enter the NVR's IP address into a web browser on a computer connected to the same network.
- **VIVOTEK VIVOCloud App:** Download the mobile app for remote viewing and management.
- **VIVOTEK VAST 2 VMS:** For advanced management and multi-NVR systems.

## 6.2 Live View

The live view displays real-time video feeds from all connected cameras. You can switch between single-camera view, multi-camera grid view, and customize the display layout.

## 6.3 Recording Settings

Configure recording schedules and modes for each camera:

- **Continuous Recording:** Records 24/7.
- **Motion Detection Recording:** Records only when motion is detected.

- **Scheduled Recording:** Records during specific time periods.
- **Event Recording:** Records based on external triggers or alarms.

Access these settings through the NVR's main menu: *Configuration > Recording > Schedule*.

## 6.4 Playback

To review recorded footage:

1. From the main menu, select *Playback*.
2. Choose the camera(s) and the date/time range you wish to review.
3. Use the timeline and playback controls (play, pause, fast forward, rewind) to navigate through the footage.

## 6.5 Event Management and Notifications

Configure the NVR to respond to events such as motion detection, camera tampering, or network disconnection. The NVR can send email notifications, trigger alarms, or start recording.

Access these settings via: *Configuration > Event*.

# 7. MAINTENANCE

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## 7.1 Firmware Updates

Regularly check for and install firmware updates to ensure optimal performance, security, and access to new features. Firmware can be updated via the NVR's web interface or local display menu: *Configuration > System > Firmware Upgrade*.

**Caution:** Do not power off the NVR during a firmware upgrade. This can cause permanent damage.

## 7.2 Hard Drive Management

Monitor the health of your hard drive(s) and ensure sufficient storage space. The NVR will automatically overwrite the oldest recordings when the disk is full, based on your settings.

Access HDD status and settings via: *Configuration > Storage > HDD Management*

## 7.3 Cleaning

Keep the NVR unit clean and free from dust. Use a soft, dry cloth for cleaning. Do not use liquid cleaners or aerosols.

# 8. TROUBLESHOOTING

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This section addresses common issues you might encounter with your VIVOTEK ND9323P NVR.

## 8.1 No Video Display on Monitor

- **Check Cables:** Ensure the HDMI/VGA cable is securely connected to both the NVR and the monitor.
- **Monitor Input:** Verify the monitor is set to the correct input source (HDMI/VGA).
- **NVR Power:** Confirm the NVR is powered on and its power LED is illuminated.

## 8.2 Cameras Not Showing Up / No Image

- **PoE Connection:** Ensure cameras are properly connected to the NVR's PoE ports. Check if the PoE port LEDs on the NVR are active.
- **Camera Power:** If not using PoE, ensure cameras are receiving power from their own power adapters.

- **Network Connectivity:** Verify the NVR and cameras are on the same network segment if not directly connected via PoE.
- **Camera Status:** Check the camera's own status indicators.
- **NVR Camera Management:** Go to *Configuration > Camera > Camera Management* to ensure cameras are added and enabled. Try rescanning for cameras.

### 8.3 Cannot Access NVR via Web Browser

- **IP Address:** Confirm the NVR's IP address is correct and that your computer is on the same network.
- **Network Cable:** Ensure the NVR's LAN port is connected to your network.
- **Firewall:** Temporarily disable your computer's firewall to check if it's blocking access.
- **Browser Compatibility:** Use a recommended web browser (e.g., Chrome, Firefox).

### 8.4 Forgotten Password

If you forget the administrator password, you may need to perform a factory reset. Refer to the VIVOTEK support website or contact technical support for the specific procedure for your model, as this often involves a physical reset button or a specific utility.

## 9. SPECIFICATIONS

The following table lists the key specifications for the VIVOTEK ND9323P NVR:

Feature	Specification
Model Number	ND9323P
Brand	VIVOTEK
Number of Channels	8
Connectivity Technology	Ethernet
Compatible Devices	Camera, Mobile Device
Video Compression	H.265, H.264
PoE Ports	8 x 802.3at/af
Product Dimensions	19.69 x 19.69 x 11.02 inches
Item Weight	0.01 ounces
Manufacturer	Vivotek

## 10. WARRANTY AND SUPPORT

VIVOTEK products are covered by a limited warranty. For detailed warranty terms and conditions, please refer to the warranty card included with your product or visit the official VIVOTEK website.

For technical support, product registration, or to download the latest firmware and software, please visit the VIVOTEK support portal:

[VIVOTEK Official Support Website](#)

When contacting support, please have your NVR's model number (ND9323P) and serial number ready.

