

## PNI IP516

# PNI House IP516 NVR Instruction Manual

MODEL: IP516

For detailed assistance, please refer to the relevant sections below.

## 1. Introduction

The PNI House IP516 is a 16-channel Network Video Recorder (NVR) designed for advanced surveillance systems, supporting up to 5MP IP cameras and H.265 video compression. This NVR allows for local and remote monitoring, recording, and management of your security cameras. It is compatible with ONVIF protocol cameras, offering flexibility in camera selection. This manual provides essential information for the proper installation, operation, and maintenance of your PNI House IP516 NVR.

## 2. Package Contents

Please verify that all items listed below are included in your package. If any items are missing or damaged, contact your retailer.

- PNI House IP516 NVR Unit
- USB Mouse
- Power Adapter
- User Manual (this document)
- CD with Software





## PACKAGE CONTENTS

NVR

230V power adapter

USB mouse

CD with software



IP561158

### NVR PNI House IP516

Prodicator: ONLINESHOP SRL, Otteniei 26A  
Piatra Neamt, Romania - comenzi@pni.ro



51949066518643



Alimentare: 12V / 2A  
Fabricat in China



Image: Side of the NVR box detailing the package contents.



Image: The PNI House IP516 NVR unit, power adapter, and USB mouse included in the package.

### 3. Product Overview

#### 3.1 Front Panel

The front panel of the NVR features indicator lights for system status.

- **PWR (Power):** Indicates the NVR is powered on.
- **REC (Recording):** Flashes when recording is active.
- **NET (Network):** Indicates network activity.



Image: Front view of the PNI House IP516 NVR, showing the power, record, and network indicator lights.

#### 3.2 Rear Panel

The rear panel provides all necessary connection ports for the NVR.

- **VGA Port:** Connects to a VGA monitor.
- **HDMI Port:** Connects to an HDMI monitor or TV for high-definition video output.
- **LAN Port (RJ45 10/100 Mbps):** Connects to your network router or switch.
- **USB Ports (x2):** For connecting the USB mouse, external storage, or for system upgrades.
- **DC 12V Power Input:** Connects to the included power adapter.



Image: Rear view of the PNI House IP516 NVR, displaying VGA, HDMI, LAN, USB, and DC 12V power input ports.

## 4. Setup

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### 4.1 Hard Drive Installation (Optional)

The NVR supports a hard drive up to 8 TB for video storage. It is recommended to use dedicated CCTV hard drives for optimal reliability and endurance.

1. Unscrew and remove the top cover of the NVR.
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.

### 4.2 Initial Connections

1. Connect a monitor to the NVR's VGA or HDMI port.
2. Connect the USB mouse to one of the NVR's USB ports.
3. Connect an Ethernet cable from the NVR's LAN port to your network router or switch.
4. Connect the power adapter to the NVR's DC 12V input and then plug it into a power outlet. The NVR will power on automatically.

### 4.3 First Boot and Basic Configuration

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

- Set up a strong password for the administrator account.
- Configure date and time settings.
- Format the installed hard drive (if applicable).
- Perform network settings (DHCP is usually enabled by default).
- Search for and add IP cameras to the NVR. The NVR supports up to 16 cameras at 2560x1920px (5MP) and is compatible with ONVIF protocol cameras.

## 5. Operating the NVR

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### 5.1 Local Operation

Use the connected mouse to navigate the NVR's graphical user interface (GUI) on the monitor. Right-click to access the main menu, which includes options for live view, playback, recording settings, system configuration, and more.

### 5.2 Remote Access

The PNI House IP516 NVR can be accessed remotely for live viewing, playback, and configuration.

- **Mobile Application (XMEye):** Download the XMEye app from the Android Play Store or Apple App Store. Register an account, add your NVR by scanning its QR code or entering its serial number, and then you can view your cameras from anywhere with an internet connection.
- **PC Software (General CMS):** Install the General CMS software from the included CD or download it from the PNI support website. This software allows for comprehensive management of your NVR and cameras from a Windows PC.

### 5.3 Recording Management

The NVR supports various recording modes:

- **Continuous Recording:** Records 24/7.
- **Scheduled Recording:** Records during specific time periods.
- **Motion Detection Recording:** Records only when motion is detected by the cameras.

Configure these settings in the NVR's menu under 'Record' or 'Storage' settings.

## 5.4 Motion Detection and Alerts

When motion is detected, the system can trigger various alerts:

- **Mobile Notifications:** Text notifications sent via the XMEye mobile application.
- **Email Alerts:** An email sent to a predefined address.
- **FTP Upload:** The recording saved to an FTP server.

These alert settings can be configured in the NVR's 'Alarm' or 'Event' menu.

## 6. Maintenance

### 6.1 Hard Drive Management

Regularly check the status of your hard drive in the NVR's storage settings. If the hard drive becomes full, the NVR will typically overwrite the oldest recordings (loop recording). You may need to format the hard drive periodically if you encounter issues or wish to clear all data.

### 6.2 System Updates

Periodically check the PNI support website for firmware updates. Firmware updates can improve performance, add new features, or fix bugs. Follow the instructions provided with the firmware update carefully to avoid damaging the device.

### 6.3 Cleaning

Ensure the NVR unit is kept clean and free from dust. Use a soft, dry cloth to wipe the exterior. Do not use liquid cleaners or aerosols directly on the unit.

## 7. Troubleshooting

Problem	Possible Cause	Solution
NVR does not power on	No power supply; faulty power adapter	Check power connection; test power adapter; try a different outlet.
No video output on monitor	Loose cable; incorrect input selected on monitor	Ensure VGA/HDMI cable is securely connected; select correct input on monitor.
Cannot access NVR remotely	Network issue; incorrect app settings; NVR not connected to internet	Verify NVR network connection; check router settings; ensure correct NVR ID/serial in app.

Problem	Possible Cause	Solution
Cameras not displaying	Camera not powered; network issue; incorrect camera IP/protocol	Check camera power and network cables; ensure cameras are ONVIF compatible; verify camera IP addresses.
No recording	Hard drive not installed/formatted; recording schedule not set; motion detection not configured	Install and format HDD; configure recording schedule; set up motion detection zones and sensitivity.

## 8. Specifications

Feature	Detail
Model Number	IP516
Channels	16
Max Resolution	5MP (2560 x 1920px)
Video Compression	H.265
Compatible Devices	IP Cameras, Smartphone
Connectivity Technology	HDMI, USB, VGA, RJ45 Ethernet
Communication Interface	RJ45 10/100 Mbps
Max Storage Capacity	8 TB (HDD)
USB Ports	2
Power Consumption	10 Watts
Manufacturer Part Number	PNI-1920P

## 9. Warranty

The PNI House IP516 NVR comes with a standard manufacturer's warranty. Please refer to the warranty card included in your package or visit the official PNI website for detailed terms and conditions regarding warranty coverage, duration, and service procedures. Keep your proof of purchase for warranty claims.

## 10. Support

For technical support, troubleshooting assistance, or further inquiries regarding your PNI House IP516 NVR, please visit the official PNI website or contact their customer service department. You can find contact information and additional resources on the PNI brand store page: [PNI Brand Store](#).

