Hikvision DS-7732NI-I4/16P

HIKVISION DS-7732NI-I4/16P 32-Channel PoE 4K Network Video Recorder User Manual

Model: DS-7732NI-I4/16P

1. PRODUCT OVERVIEW

The Hikvision DS-7732NI-I4/16P is a 32-channel Power over Ethernet (PoE) Network Video Recorder (NVR) designed for high-definition surveillance systems. It supports 4K resolution recording and features embedded plug-and-play functionality for easy camera integration. This NVR is capable of managing up to 32 network cameras and offers robust video storage and playback capabilities.

Key Features:

- Supports up to 12 Megapixels resolution recording.
- Connects up to 32 network cameras with 256Mbps incoming bandwidth.
- Features up to 4 SATA interfaces for hard disk drives.
- Plug & Play functionality with 16 independent PoE network interfaces.
- Dual-OS support for enhanced system reliability.
- Supports various Video Content Analysis (VCA) detection alarms and VCA search functions.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package. If any items are missing or damaged, contact your supplier.

Image 2.1: Contents of the Hikvision DS-7732NI-I4/16P NVR package. This image displays the NVR unit, a power cable, a USB mouse, a remote control, SATA data and power cables for hard drives, mounting screws, and a quick start guide/manual.

- Hikvision DS-7732NI-I4/16P NVR Unit
- Power Cable
- USB Mouse
- Remote Control
- SATA Data and Power Cables (for HDD installation)
- HDD Mounting Screws
- Quick Start Guide / User Manual
- Software CD (may include client software and tools)

3. SETUP INSTRUCTIONS

3.1 Hardware Installation

Before powering on the NVR, ensure all necessary hardware components are installed and connected.

1. **Hard Disk Drive (HDD) Installation:**

   Unscrew and remove the top cover of the NVR. Connect the SATA data and power cables to the HDD(s) and the corresponding ports on the NVR motherboard. Secure the HDD(s) using the provided screws. Replace the top cover.

2. **Connect Display:**

   Connect a monitor to the NVR's HDMI or VGA output port using an appropriate cable. This is required for initial setup and local operation.

3. **Connect Network:**

   Connect the NVR's LAN port to your network router or switch using an Ethernet cable. For PoE cameras, connect them directly to the NVR's PoE ports.

4. **Connect USB Devices:**

   Connect the included USB mouse to a USB port on the NVR for navigation. Other USB devices like external storage can be connected as needed.

5. **Power Connection:**

   Connect the power adapter to the NVR's power input and then plug it into a power outlet. The NVR will power on

automatically or can be powered on using the front panel power button.

Image 3.1: Front panel of the Hikvision DS-7732NI-I4/16P NVR, showing the power button, navigation controls, and front USB ports.

Image 3.2: Rear panel of the Hikvision DS-7732NI-I4/16P NVR, illustrating the various input/output ports including PoE camera ports, LAN, HDMI, VGA, USB, audio, alarm, and power input.

3.2 Initial Configuration

Upon first boot, the NVR will guide you through an initial setup wizard.

1. **Create Admin Password:**

   Set a strong password for the 'admin' user. This is crucial for security.

2. **Network Settings:**

   Configure network parameters (DHCP or Static IP). Ensure the NVR is accessible on your local network.

3. **HDD Initialization:**

   Initialize the installed hard disk drives for recording. This process will format the HDDs.

4. **Add IP Cameras:**

   The NVR will automatically detect Hikvision PoE cameras connected to its PoE ports. For other cameras or cameras on the main LAN, manually add them using their IP addresses and credentials.

5. **Date and Time:**

   Set the correct date, time, and time zone. Consider enabling NTP (Network Time Protocol) for automatic synchronization.

4. OPERATING INSTRUCTIONS

4.1 Live View

After successful camera addition, you can view live feeds from connected cameras on the connected monitor or via client software/web browser.

- **Local Display:** Use the USB mouse to navigate the NVR's graphical user interface (GUI) to select camera views.
- **Remote Access:** Access the NVR via a web browser by entering its IP address, or use Hikvision client software (e.g., iVMS-4200) or mobile app (e.g., Hik-Connect) for remote viewing.

4.2 Recording

The NVR supports continuous, scheduled, motion-triggered, and alarm-triggered recording.

- **Recording Schedule:** Configure recording schedules for each camera through the NVR's menu (Configuration > Storage > Schedule Settings).
- **Motion Detection:** Enable motion detection on cameras and configure the NVR to record when motion is detected (Configuration > Event > Motion Detection).
- **Manual Recording:** Initiate manual recording from the live view interface if needed.

4.3 Playback

Recorded footage can be played back locally or remotely.

- **Local Playback:** From the main menu, select "Playback." Choose the camera(s) and the date/time range to view recordings.
- **Remote Playback:** Use client software or the mobile app to access and play back recorded video remotely.
- **Export Footage:** Recorded video can be exported to a USB drive or network storage for archiving or evidence.

4.4 Alarm Management

The NVR can be configured to respond to various alarm events.

- **Alarm Inputs/Outputs:** Connect external alarm devices to the NVR's alarm input/output ports.
- **Event Linkage:** Configure actions for alarm events, such as recording, sending email notifications, triggering alarm outputs, or displaying on screen.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your NVR system.

- **Firmware Updates:** Periodically check the Hikvision official website for firmware updates. Apply updates to improve performance, add features, and enhance security.
- **Hard Drive Health:** Monitor the health status of your hard drives through the NVR's storage management menu. Replace failing drives promptly.
- **System Logs:** Regularly review system logs for any errors or unusual activities.
- **Cleaning:** Keep the NVR unit clean and free from dust. Ensure proper ventilation to prevent overheating. Do not block ventilation openings.
- **Password Management:** Change admin passwords regularly and use strong, unique passwords.

6. TROUBLESHOOTING

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

- **No Video Output on Monitor:**
  - Check HDMI/VGA cable connections.
  - Ensure the monitor is powered on and set to the correct input source.
  - Try restarting the NVR.

- **Cameras Not Displaying / Offline:**
  - Verify camera power and network connections (especially for PoE cameras).
  - Check camera IP addresses and ensure they are not conflicting.
  - Confirm camera credentials (username/password) are correct in the NVR settings.
  - Restart the NVR and the problematic camera(s).

- **No Recording:**
  - Check if hard disk drives are installed, initialized, and healthy.
  - Verify recording schedules are correctly configured.
  - Ensure motion detection or alarm events are properly set up if using event-triggered recording.
  - Check available disk space.

- **Remote Access Issues:**
  - Ensure the NVR has a stable internet connection.
  - Verify network settings, including port forwarding (if not using P2P/cloud services).
  - Check firewall settings on your router and NVR.
  - Confirm correct credentials for remote access.

7. SPECIFICATIONS

Detailed technical specifications for the Hikvision DS-7732NI-I4/16P NVR.

Category	Specification
Video/Audio Input	IP Video Input: 32-ch Two-way Audio Input: 1-ch, RCA (2.0 Vp-p, 1kΩ)
Network	Remote Connection: 128 Incoming Bandwidth: 256Mbps Outgoing Bandwidth: 256Mbps
Video/Audio Output	HDMI Output: 1-ch, up to 4K (3840x2160)/60Hz VGA Output: 1-ch, up to 1920x1080P/60Hz Recording Resolution: 12MP/8MP/6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF Audio Output: 1-ch, RCA (Linear, 1kΩ) Synchronous Playback: 16-ch
Decoding	Capability: 4-ch@8MP, 16-ch@1080P Liveview/Playback: 12MP/8MP/6MP/5MP/4MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF
Hard Disk	SATA: 4 SATA interfaces for 4 HDDs Capacity: Up to 8TB capacity for each HDD (Total 32TB)

Category	Specification
External Interface	Network Interface: 1 RJ-45 10/100/1000Mbps self-adaptive Ethernet interface Serial Interface: RS-232, RS-485 USB Interface: Front panel: 2 × USB 2.0; Rear panel: 1 × USB 3.0 Alarm In: 16-ch Alarm Out: 4-ch
PoE	Supported Standard: AF and AT Interface: 16 independent 10/100 Mbps PoE Ethernet interfaces Max. Power: 200W
General	Power Supply: 100 to 240 VAC, 50 to 60 Hz Consumption (without hard disk and PoE): ≤20 W Working Temperature: -10 °C to +55 °C (+14 °F to +131 °F) Working Humidity: 10 % to 90 % Chassis: 380 chassis Dimensions: 445 × 390 × 70 mm (17.5" × 15.8" × 2.8") Weight (without HDD): ≤ 5 Kg (11 lb)

8. WARRANTY AND SUPPORT

Hikvision products typically come with a limited manufacturer's warranty. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Hikvision website.
For technical support, product documentation, and software downloads, please visit the official Hikvision support portal. You may need your product model number (DS-7732NI-I4/16P) and serial number for assistance.

- **Official Website:** www.hikvision.com
- **Support Resources:** Refer to the support section on the official website for FAQs, troubleshooting guides, and contact information.