



iDS-6700NXI DeepinMind Series NVS

Quick Start Guide

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About this Manual

This Manual is applicable to Network Video Server (NVS).

The Manual includes instructions for using and managing the product. Pictures, charts, images and all other information hereinafter are for description and explanation only. The information contained in the Manual is subject to change, without notice, due to firmware updates or other reasons. Please find the latest version in the company website (<http://overseas.hikvision.com/en/>). Please use this user manual under the guidance of professionals.

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Regulatory Information

FCC Information

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.


FCC compliance: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.


FCC Conditions


This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

EU Conformity Statement

 This product and - if applicable - the supplied accessories too are marked with "CE" and comply therefore with the applicable harmonized European standards listed under the EMC Directive 2014/30/EU, the LVD Directive 2014/35/EU, the RoHS Directive 2011/65/EU.

 2012/19/EU (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: www.recyclethis.info

 2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: www.recyclethis.info

Industry Canada ICES-003 Compliance

This device meets the CAN ICES-3 (A)/NMB-3(A) standards requirements.

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Applicable Models

This manual is applicable to the models listed in the following table.

Series	Model
iDS-6700NXI	iDS-6700NXI-I/4F
	iDS-6700NXI-I/16S

Symbol Conventions

The symbols that may be found in this document are defined as follows.

Symbol	Description
 NOTE	Provides additional information to emphasize or supplement important points of the main text.
 WARNING	Indicates a potentially hazardous situation, which if not avoided, could result in equipment damage, data loss, performance degradation, or unexpected results.
 DANGER	Indicates a hazard with a high level of risk, which if not avoided, will result in death or serious injury.

Safety Instructions

- Proper configuration of all passwords and other security settings is the responsibility of the installer and/or end-user.
- In the use of the product, you must be in strict compliance with the electrical safety regulations of the nation and region. Please refer to technical specifications for detailed information.
- Input voltage should meet both the SELV (Safety Extra Low Voltage) and the Limited Power Source with 100~240 VAC or 12 VDC according to the IEC60950-1 standard. Please refer to technical specifications for detailed information.
- Do not connect several devices to one power adapter as adapter overload may cause over-heating or a fire hazard.
- Please make sure that the plug is firmly connected to the power socket.
- If smoke, odor or noise rise from the device, turn off the power at once and unplug the power cable, and then please contact the service center.

Preventive and Cautionary Tips

Before connecting and operating your device, please be advised of the following tips:

- Ensure unit is installed in a well-ventilated, dust-free environment.
- Unit is designed for indoor use only.
- Keep all liquids away from the device.
- Ensure environmental conditions meet factory specifications.
- Ensure unit is properly secured to a rack or shelf. Major shocks or jolts to the unit as a result of dropping it may cause damage to the sensitive electronics within the unit.
- Use the device in conjunction with an UPS if possible.
- Power down the unit before connecting and disconnecting accessories and peripherals.
- Improper use or replacement of the battery may result in hazard of explosion. Replace with the same or equivalent type only. Dispose of used batteries according to the instructions provided by the battery manufacturer.

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Chapter 1 Installation

1.1 Pre-Installation

The NVS is a highly advanced surveillance equipment that should be installed with care. Please take into consideration the following precautionary steps before installation of the Encoder.

- Keep all liquids away from the Encoder.
- Install the Encoder in a well-ventilated and dust-free area.
- Ensure environmental conditions meet factory specifications.

1.2 Installation

During the installation of the Encoder:

- Use brackets for rack mounting.
- Ensure there is ample room for audio and video cables.
- When installing cables, ensure that the bend radius of the cables are no less than five times than its diameter.
- Connect both the alarm and RS-485 cable.
- Allow at least 2cm (\approx 0.75 inch) of space between racks mounted devices.
- Ensure the Encoder is grounded.
- Environmental temperature should be within the range of -10°C to 55°C , 14°F to 131°F .
- Environmental humidity should be within the range of 10% to 90%.

Chapter 2 Panels Description

2.1 Front Panel

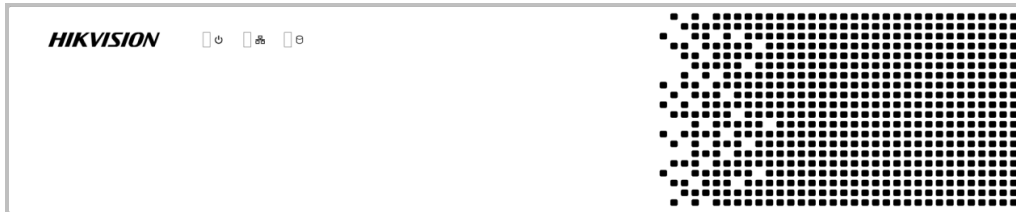





Figure 2-1 Front Panel

Table 2-1 Table Panel Description

Item	Description
	Turns red when device is powered up.
	Turns red when data is being read from or written to HDD.
	Flickers blue when network connection is functioning properly.

2.2 Rear Panel

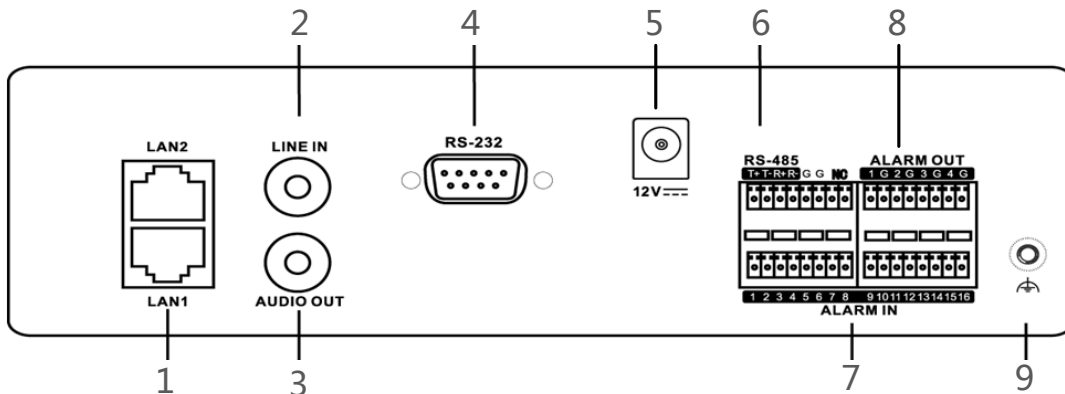


Figure 2-2 Rear Panel

Table 2-2 Interface Description

Index	Item	Description
1	LAN1/LAN2	10M/100Mbps adaptive Ethernet interface
2	LINE IN	3.5mm interface for line in; connect to audio input device or active pick-up, microphone, etc.
3	AUDIO OUT	3.5mm interface; connect to audio output device, e.g., loudspeaker, etc.
4	RS-232	Serial interface for configuration of device's parameters or used as transparent channel.
5	DC12V	12 VDC power supply
6	RS-485	RS-485 serial interface; connect to pan/tilt unit, speed dome, etc.
7	ALARM IN	Relay alarm input.
8	ALARM OUT	Relay alarm output.
9	GND	Grounding

Chapter 3 Alarm Connections

3.1 Alarm Input Connections

The alarm input is an open/closed relay. To connect the alarm input to the device, use the following diagram.



If the alarm input is not an open/close relay, please connect an external relay between the alarm input and the device.

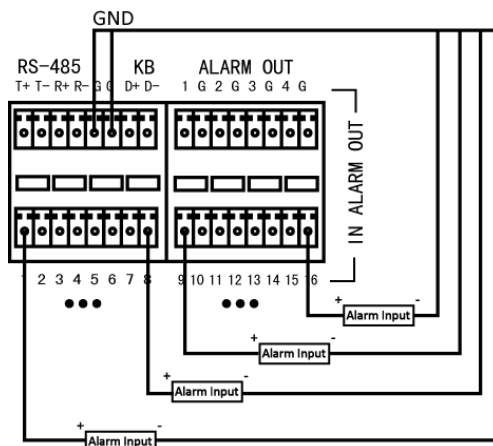


Figure 3-1 Alarm Input Wiring

To connect to an alarm output (AC or DC load), use the following diagram:

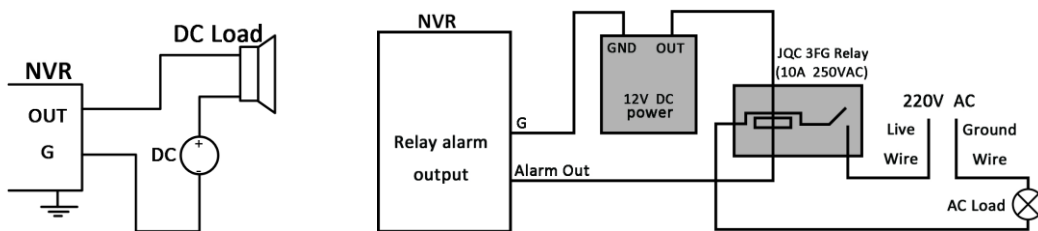


Figure 3-2 Alarm Output Wiring

For DC load, the jumpers can be used within the limit of 12V/1A safely.

To connect an AC load, jumpers should be left open (you must remove the jumper on the motherboard in the NVS). Use an external relay for safety (as shown in the figure above).

There are 4 jumpers (JP6, JP9, JP10, and JP11) on the motherboard, each corresponding with one alarm output. By default, jumpers are connected. To connect an AC load, jumpers should be removed.

Example:

If you connect an AC load to the alarm output 3 of the NVS, then you must remove the JP 3 jumper.

3.2 Alarm Connection

To connect alarm devices to the NVS:

Step 1 Disconnect *pluggable block* from the ALARM IN /ALARM OUT terminal block.

Step 2 Unfasten stop screws from the *pluggable block*, insert signal cables into slots and fasten stop screws. Ensure signal cables are tight.

Step 3 Connect *pluggable block* back into terminal block.

Chapter 4 Configuration and Operation

You can get access to the device via web browser. You may use one of the following listed web browsers: Internet Explorer 6.0, Internet Explorer 7.0, Internet Explorer 8.0, Internet Explorer 9.0, Internet Explorer 10.0, Apple Safari, Mozilla Firefox, and Google Chrome. The supported resolutions include 1024*768 and above.



NOTE

You shall acknowledge that the use of the product with Internet access might be under network security risks. For avoidance of any network attacks and information leakage, please strengthen your own protection. If the product does not work properly, please contact with your dealer or the nearest service center.

4.1 Activating the Device

For the first-time access, you need to activate the device by setting an admin password. No operation is allowed before activation. You can also activate the device via SADP or Client Software.

Step 1 Open web browser, input the IP address of the device and then press Enter.

Step 2 Login to the device.

- If the device has not been activated, you need to activate the device first before login.

The screenshot shows a web browser window titled "Activation". It contains three input fields: "User Name" with the value "admin", "Password" with a masked field and a green checkmark, and "Confirm" with a masked field. Below the password field is a green progress bar labeled "Strong" and a green checkmark. Below the progress bar is a text box with the following text: "Valid password range [8-16]. You can use a combination of numbers, lowercase, uppercase and special character for your password with at least two kinds of them contained." An "OK" button is located at the bottom right of the form.

Figure 4-1 Set Admin Password

- 1) Set the password for the admin user account.
- 2) Click **OK** to login to the device.

 **WARNING**

STRONG PASSWORD RECOMMENDED– We highly recommend you create a strong password of your own choosing (using a minimum of 8 characters, including upper case letters, lower case letters, numbers, and special characters) in order to increase the security of your product. And we recommend you reset your password regularly, especially in the high security system, resetting the password monthly or weekly can better protect your product.

- If the device is already activated, enter the user name and password in the login interface, and click the **Login** button.

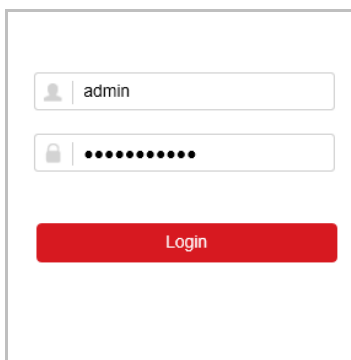


Figure 4-2 Login

Step 3 Install the plug-in before viewing the live video and managing the camera. Please follow the installation prompts to install the plug-in.

 **NOTE**

You may have to close the web browser to finish the installation of the plug-in.

After login, you can perform the operation and configuration of the device, including the live view, playback, log search, configuration, etc.

4.2 Configuring Network Settings

Purpose:

Network settings must be properly configured before you operate device over network.

Step 1 Go to **Configuration > Network > TCP/IP**.

Figure 4-3 Network Settings

Step 2 You can configure the following settings: working mode, NIC Type, IPv4 Address, IPv4 Gateway, MTU, DNS Server, etc.

(Optional) If the DHCP server is available, you can check the checkbox of **DHCP** to automatically obtain an IP address and other network settings from that server.

Step 3 Click **Save**.

4.3 Adding IP Cameras

Purpose:

Before you can get the video files of camera, you should add the network cameras to the connection list of the device.

Before you start:

Ensure the network connection is valid and correct, and the IP camera to add has already been activated.

Step 1 Go to **Configuration > System > Camera Management**.

Step 2 Click **Add**.

Step 3 Enter IP address, protocol, management port, and other information of the IP camera to add.

Step 4 Enter the address, protocol, management port (default: 80), and the login user name and password of the IP camera.

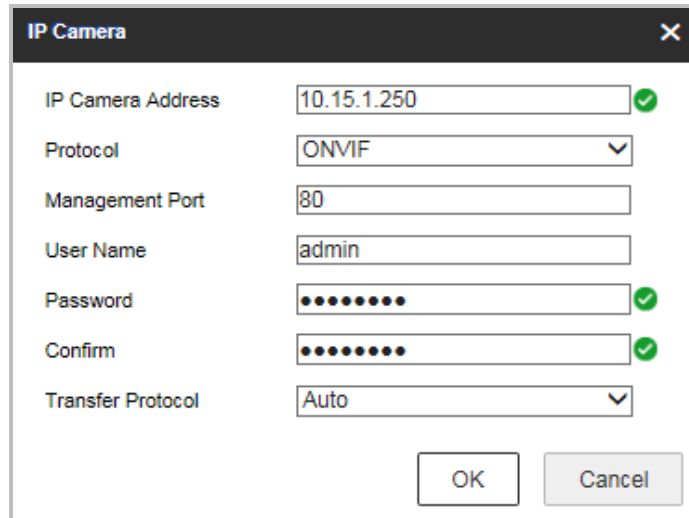


Figure 4-4 Add IP Camera

Step 5 Click **OK**. The successfully added cameras are listed on the interface.

4.4 Starting Live View

Step 1 In the live view window, select a playing window.

Step 2 Double-click a camera from the device list to start the live view.

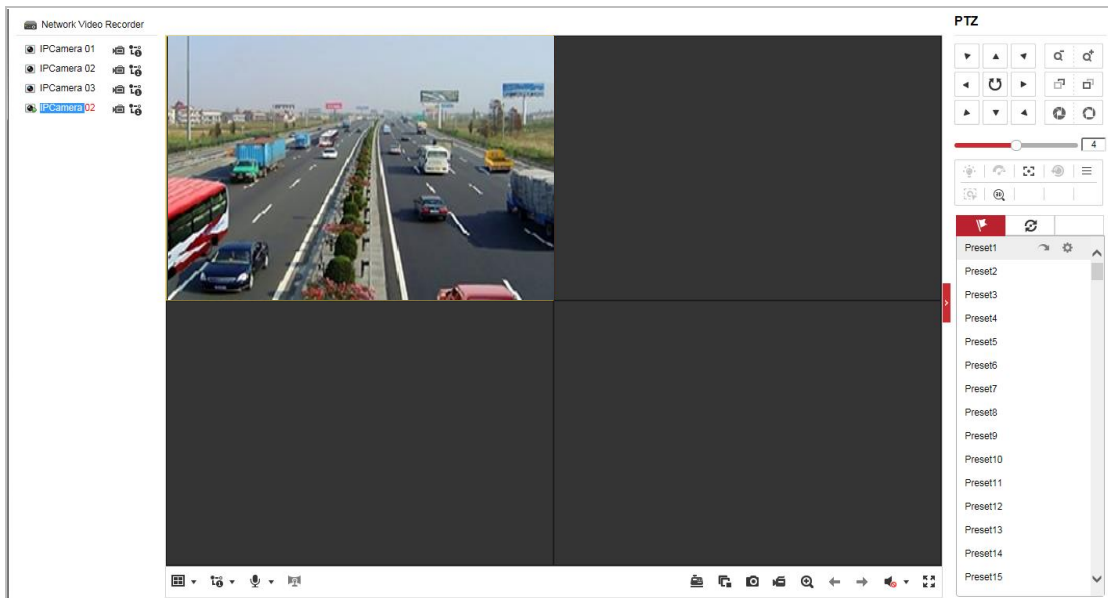


Figure 4-5 Start Live View

