

NS3702-24P-4S-V3 Quick Installation Guide

Figure 1: NS3702-24P-4S-V3 Gigabit PoE Managed Switch



Package contents

Thank you for purchasing the NS3702-24P-4S-V3 IFS 24-port Gigabit 802.3at PoE Managed Switch. The descriptions of this model are as follows: 24-port 10/100/1000Base-T 802.3at PoE with + 4-Port Shared SFP Managed Switch.

Unless specified, the term “managed switch” mentioned in this quick installation guide refers to the NS3702-24P-4S-V3.

Open the box of the managed switch and carefully unpack it. The box should contain the following items:

- The managed switch × 1
- RS-232 cable × 1
- Rubber feet × 4
- SFP dust caps × 4
- Two rack-mounting brackets with attachment screws × 1
- Power cord × 1
- SFP dust-proof caps × 4

If any of these are missing or damaged, contact your dealer immediately. If possible, retain the carton including the original packing materials for repacking the product in case there is a need to return it to us for repair.

Requirements

The managed switch provides a remote login interface for management purposes. The following equipment is necessary for further management:

- Workstations running Windows® XP / 2003 / Vista / 7 / 8 / 2008 / 10, MAC OS X or later, Linux, UNIX, or other platforms are compatible with TCP/IP protocols.
- Workstations are installed with Ethernet NIC (Network Interface Card)

Serial port connection (Terminal)

- The above workstations come with a COM Port (DB9) or USB-to-RS-232 converter.
- The above workstations have been installed with a terminal emulator, such as Hyper Terminal included in Windows XP/2003.
- **Serial cable** – One end is attached to the RS-232 serial port, and the other end is attached to the console port of the managed switch.

Ethernet port connection

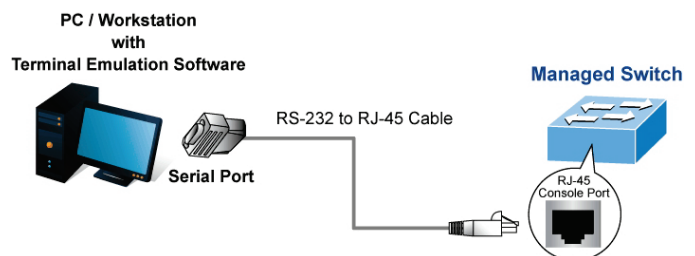
- Network cables – Use standard network (UTP) cables with RJ45 connectors.
- The above workstations have a web browser and JAVA runtime environment plug-in installed.

Note: We recommend using Internet Explorer 8.0 or later to access the managed switch. If the web interface of the managed switch is not accessible, turn off the anti-virus software or firewall and then try it again.

Terminal setup

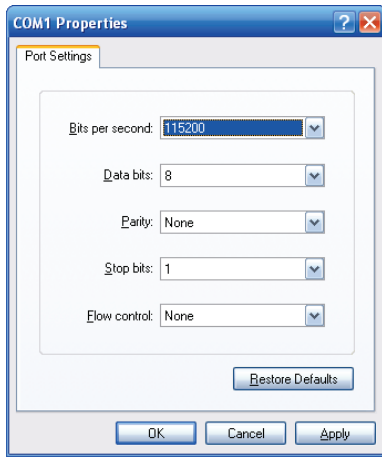
To configure the system, connect a serial cable to a COM port on a PC or notebook computer and to DB9 type of serial port of the Managed Switch.

Figure 2: Console connectivity



A terminal program is required to make the software connected to the managed switch. Windows' Hyper Terminal program may be a good choice. The Hyper Terminal can be accessed from the **Start** menu.

1. Click **Start > Programs > Accessories > Hyper Terminal**.
2. When the following screen appears, ensure that the COM port is configured as shown below. Click **OK** when finished with configuration.



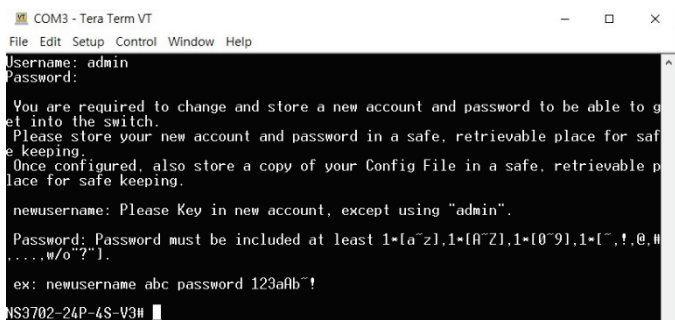
- Log in to the console. After the terminal has been connected to the device, power on the managed switch. The terminal displays “running testing procedures”.

When the following dialog box in Figure 3 below appears, enter the factory default user name “admin” and password “admin”.

User name: **admin**
 Password: **admin**

Note: Before connecting to a TruVision Navigator video surveillance system network, the default IP address must be changed to the IP address assigned for TruNav by the network administrator.

Figure 3: Console login screen



Note:

- For security purposes, you must change and memorize the user name and password during this first setup using the command “**newusername**”. When they have been successfully changed, relog into the system using the new user name and password.
- Only commands in lowercase letters are accepted in the console interface.

Configuring the IP address

The managed switch is shipped with the default IP address shown below:

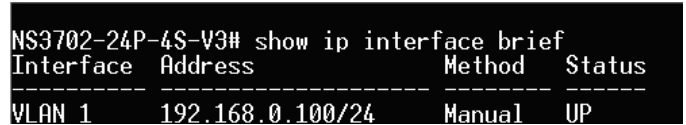
IP Address: **192.168.0.100**
 Subnet Mask: **255.255.255.0**

To check the current IP address or modify a new IP address for the managed switch, use the following procedures:

To display the current IP Address

- At the “#” prompt, enter “show ip interface brief”.
- The screen displays the current IP address.

Figure 4: IP information screen



Configuration of the IP address

- At the “#” prompt, enter the following command and press **Enter** as shown in Figure 5.

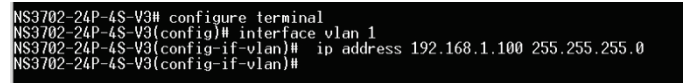
```
NS3702-24P-4S-V3 # configure terminal
NS3702-24P-4S-V3 (config)# interface vlan 1
NS3702-24P-4S-V3 (config-if-vlan)# ip address
192.168.1.100 255.255.255.0
```

The previous command would apply the following settings for the managed switch.

IP Address: 192.168.1.100

Subnet Mask: 255.255.255.0

Figure 5: Configuring the IP address screen



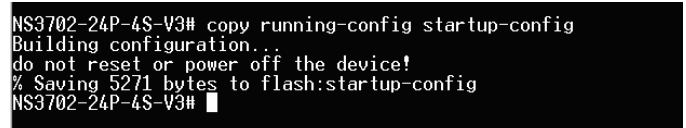
- Repeat step 1 to check if the IP address has changed.

Store the current switch configuration

- At the “#” prompt, enter the following command and press **Enter**.

```
# copy running-config startup-config
```

Figure 6: Saving current configuration command screen



If the IP is successfully configured, the managed switch applies the new IP address setting immediately. Access the web interface of the managed switch through the new IP address.

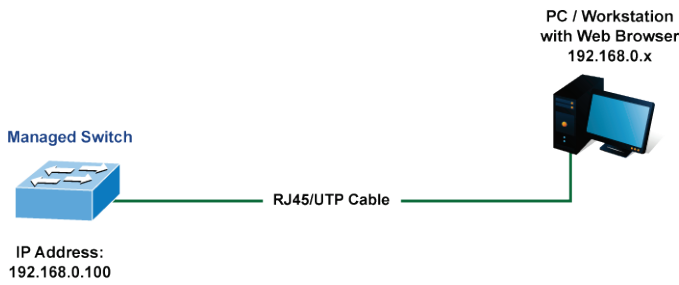
Note: If you are unfamiliar with the console command or the related parameter, enter “help” in the console to obtain the Help description.

Starting web management

The section describes how to start up the web management function for the managed switch. Note that the managed switch is configured through an Ethernet connection. Ensure that the computer used to access the switch via the web browser is set to the same IP subnet address.

For example, if the default IP address of the managed switch is 192.168.0.100, then the computer should be set to 192.168.0.x (where x is a number between 1 and 254, except 100), and the default subnet mask is 255.255.255.0.

Figure 7: IP management diagram

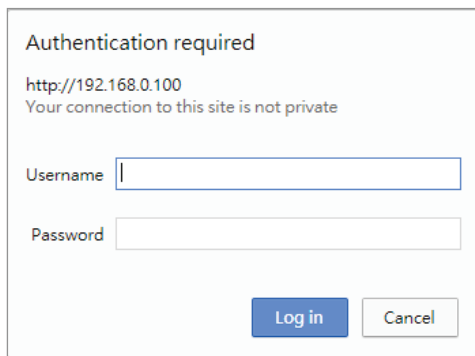


Logging in to the managed switch

1. Use the Internet Explorer 8.0 or above web browser and enter the IP address `http://192.168.0.100` (the factory-default IP address) to access the web interface.
2. If logging in for the first time, enter the default user name “admin” and password “admin” in the dialog box, as shown in Figure 8 below.

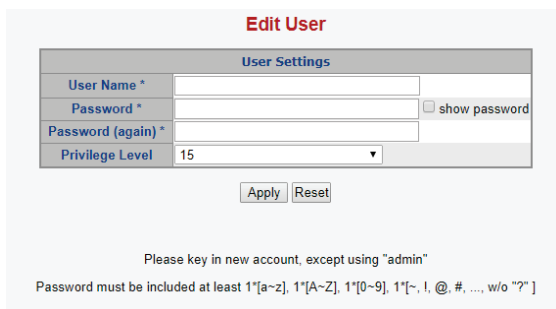
Default IP Address: **192.168.0.100**
 Default User Name: **admin**
 Default Password: **admin**

Figure 8: Login screen



3. A warning message will appear to notify that you must change the user name and password. Enter a new user name and password in the Edit User page, following the guidelines as shown in Figure 9 below. Click **Apply**.

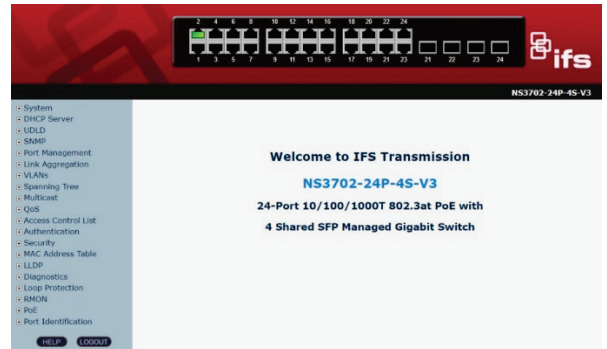
Figure 9: Change user name and password



Note: Before connecting to a TruVision Navigator video surveillance system network, the default IP address must be changed to the IP address assigned for TruNav by the network administrator.

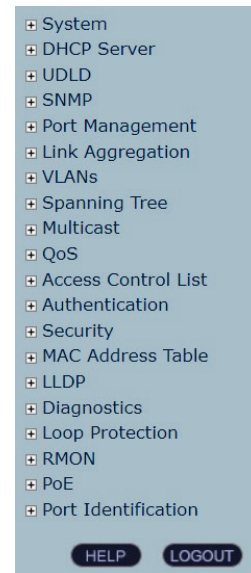
4. After entering the user name and password, the main screen appears, as shown in Figure 10 below.

Figure 10: Main web interface screen



5. The switch menu on the left side of the web page permits access to all the functions and status provided by the managed switch.

Figure 11: Main menu



Refer to the User Manual or click the **Help** button for further information about using the web management interface.

Saving the configuration

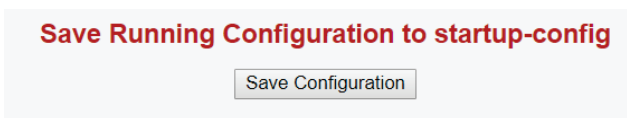
To save all applied changes and set the current configuration as a startup configuration, the startup-configuration file is loaded automatically across a system reboot.

To log in to the managed switch

1. Click **System > Save Startup Config**.



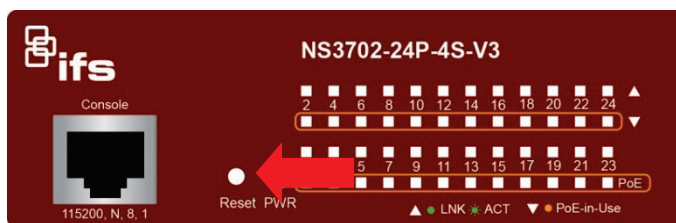
2. Click the **Save Configuration** button.



Resetting the switch to default

To reset the IP address to the default IP address “192.168.0.100” and the user password to factory default mode (default password is “admin”), press the hardware reset button on the front panel for about 10 seconds. After the device is rebooted, log in to the management web interface within the same subnet of 192.168.0.x and default password. Note that all the previous setups are erased after the factory default reset.

Figure 12: Reset button



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Product documentation

Please consult the following web link to retrieve the electronic version of the product documentation. The manuals are available in several languages.

