

# NVCAM

NVCAM SERIES

# Installation



## 1. NOTES

- Please read this instruction carefully before using the product and keep it for further reference.
- All the examples and pictures used here are for reference only.
- The contents of this manual are subject to change without notice.
- This device should be operated only from the type of power source indicated on the marking label. The voltage of the power must be verified before using the same.

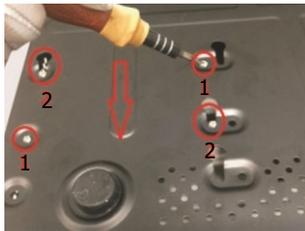
## 2. PACKING CHECK

Please check the device and the accessories after getting the device. If there are any damages, shortages or defects, please contact your dealer immediately.

## 3. HDD INSTALLATION

This series of the product supports 4 SATA hard drives. Please make sure that the device is powered off before the installation. The pictures of the installation are only for reference.

1. Loosen the screws to open the cover.
2. Screw the screws into the holes of the HDD but not tighten them.
3. Turn over the machine and place the HDD with two screws onto the bottom of the case. Then lock the screws according to the order of the marks.



4. Install the other three HDDs according to the above-mentioned method.
5. Connect the power and data cables.

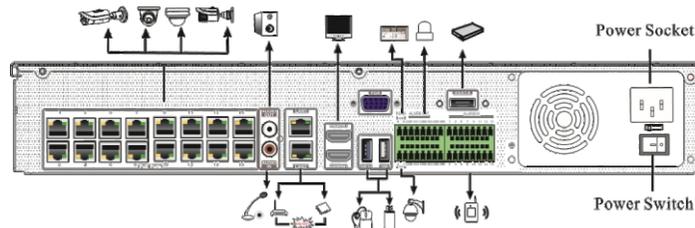
6. Install back the cover and secure it with the screws.



**Tips:** Please check the inside structure of the device and make sure the cables connected well before installing the cover back. Please format the HDD before using.

## 4. REAR PANEL INSTRUCTION

The interfaces of the rear panel are for reference only.



NAME	DESCRIPTION
PoE Ports	16 PoE network ports; connect to PoE IP cameras
AUDIO OUT	Audio output connector
AUDIO IN	Audio input connector
LAN1/2	2 RJ45 10/100/1000Mbps self-adaptive Ethernet ports
HDMI1/2	HDMI video output connector
VGA	VGA connector, to connect to VGA monitor
USB/USB3.0	Connector for USB devices (like USB mouse, USB storage device)
P/Z	Connector for a PTZ device. Y is TX+, Z is TX-
K/B	Connector for a keyboard. A is TX+, B is TX-
GND & ALARM IN	Connectors for alarm input devices, like sensors
ALARM OUT	Relay output; connectors for external alarm output devices
E-SATA	Connector for the external HDD with E-SATA interface

## 5. STARTUP & SHUTDOWN

### STARTUP:

1. Connect the monitor and the power.
2. The device will boot and the power indicator will display blue.
3. A wizard window will pop up.

### SHUTDOWN

Click 'Start' and select 'Shutdown' icon. This will bring a shutdown window. The device will shut down by clicking 'OK' button. Then disconnect the power.

## 6. LOGIN

You must configure the wizard if you start the NVR for the first time. Choose the language and read the privacy statement. Then set the data, time and zone as needed. After that, set the login password.



The default username is **admin**. Set your own password when you use the wizard for the first time. Enable pattern lock and click 'Edit' to set the pattern lock. Then set security questions and answers. It is important for you to remember these answers, or you will not be able to reset your password. Click 'Next' to continue.

## 7. DISK SETTINGS

You can view the disk number, disk capacity of the NVR and serial number, Read/Write status of the disk. Click 'Format' to format the disk. Click 'Next' to continue.

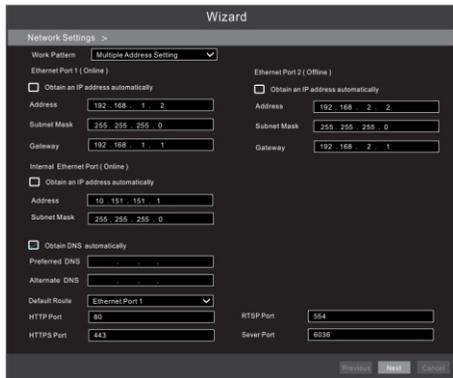
## 8. NETWORK CONFIGURATION & ADD IP CAMERA

1. Select the work pattern and then enter IP address, subnet mask, gateway, etc. If using DHCP, please enable DHCP in both the NVR and the router. Network Fault Tolerance: Bind two network ports to one IP address. This pattern can increase the network bandwidth and form a network redundant array to share the load. When one port goes wrong, the other port will take over the entire load immediately and seamlessly.

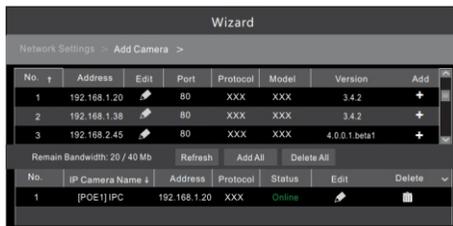
**Multiple Address Setting:** You shall set the IP address, subnet mask, gateway and DNS of each Ethernet port separately and select one NIC card connected to the Internet as the default route.

2. Enter HTTP port (the default value is 80) and server port (the default port is 6036).

3. The internal ethernet port is the port which connects all the PoE ports with the NVR system. The PoE ports are available if the internal ethernet port is online; if it is offline, all the PoE ports will be unavailable.



4. Add Camera. Click "Next" to go to the following interface.



Click "Refresh" to refresh the list of online IP cameras which are in the same local network with the NVR. Click + to add the searched camera. Click "Add All" to add all the cameras in the list. Click [X] to delete the added camera. Click "Delete All" to delete all the added cameras.



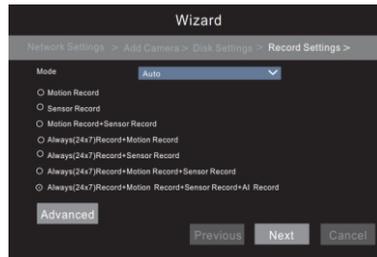
5. Click [X] to edit an IP camera as shown on the above left. Enter the new IP address, subnet mask, gateway, username and password of the camera. Click "OK" to save the settings.

Click [X] to edit the added camera as shown on the above right. Enter the new camera name, IP address, port, username and the password of the camera. You can click "Test" to test the effectiveness of the input information. Click "OK" to save the settings. You can change the IP camera name only when the added camera is online. Click "Next" to continue.

## 9. RECORD SETTINGS

**Two record modes:** auto and customization.

**Auto Mode:** Select one auto mode in the interface as shown below and then click "Next" to save the settings. Click "Advanced" to self-define a record mode.



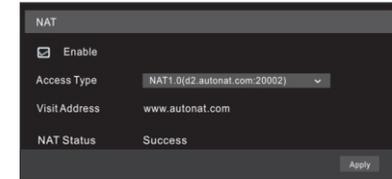
**Customization:** Set the record of each camera, such as "Sensor Record", "Motion Record", "AI Record", etc. Please enable the record as needed. Click "Next" to continue.

## 10. NAT

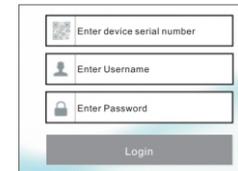
You can enable the NAT function in the interface or set it in the network configuration after exiting the wizard. You can scan the QR code through the mobile surveillance APP for iOS or Android to easily view your cameras.

## WEB ACCESS THROUGH NAT FUNCTION

1. Go to **Start** → **Settings** → **Network** → **NAT** tab. Enable NAT and select the NAT access type(NAT1.0 or NAT2.0). Click "Apply" to save the parameters.



Enter the visit address in the address bar of your browser and then press enter to go to the following interface. If you are the first time to access the NAT, you shall download and install the plug-in according to the popup tips. After installing the plug-in successfully, it will appear the login box.



**Device Serial Number:** Click [QR] on the menu bar at the bottom of the live interface to check the serial number.

**Username:** The username of the NVR. The default username is **admin**.

**Password:** The password of the NVR. The password is set by yourself when you configure the wizard for the first time.

## 11. CLOUD UPGRADE

Before using this function, please enable NAT2.0. Then click "Cloud Upgrade" in the wizard interface. Go to **Start** → **Settings** → **Network** → **Cloud Upgrade** interface and click "Upgrade" to upgrade your device if it is not the latest version.

## 12. MANUAL RECORDING

Before recording, please install a HDD. In the live interface you can see the menu toolbar. Click  button to start recording. Click it again to stop recording. You can also click  to check the status of the recording.



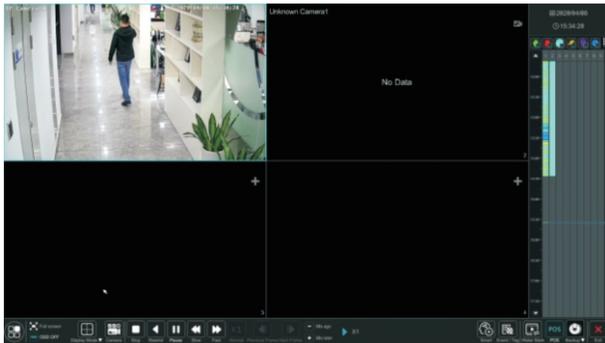
## 13. PLAYBACK

### INSTANT PLAYBACK:

Click  on the tool bar at the bottom of the preview camera window to play back the record from 5 minutes ago or right click to select "Instant Playback" and then select the instant playback time to play back the record.

### GENERAL PLAYBACK:

Click  on the tool bar at the bottom of the live view interface or click **Start** → **Playback** to go to the playback interface as shown below. You can also add the playback cameras manually. Click  in the playback window to pop up the "Add Camera" window. Check the cameras in the window and then click "Add" to add playback camera. The record files of the added playback camera will be played in the playback interface.



## WARRANTY TERM

Pumatronix guarantees the product against any defect in material or manufacturing process for a period of 1 year from the date of issuance of the invoice, provided that, at the discretion of its authorized technicians, a defect is found under normal conditions of use.

The replacement of defective parts and execution of services arising from this Warranty will only be carried out in the Authorized Technical Assistance of Pumatronix or a third party expressly indicated by it, where the product must be delivered for repair.

This Warranty will only be valid if the product is accompanied by a Maintenance Form duly completed and without erasures and accompanied by an Invoice.

## SITUATIONS WHERE THE PRODUCT LOSES THE WARRANTY

- 1) Use of software/hardware not compatible with the specifications of the Manual;
- 2) Connection of the product to the mains outside the standards established in the product manual and installations that present excessive voltage variation;
- 3) Infiltration of liquids from the opening/closing of the product;
- 4) Damage caused by natural agents (electric discharge, flood, sea spray, excessive exposure to climatic variations, among other factors) or excessive exposure to heat (beyond the limits established in the Manual);
- 5) Use of the product in environments subject to corrosive gases, with excessive moisture and/or dust;
- 6) Show signs of tampering with security seals;
- 7) Present opening and modification signals made by the Customer in product locations not authorized by Pumatronix;
- 8) Damage caused by accidents/falls/vandalism;
- 9) Display tampered and/or removed serial number;
- 10) Damage arising from the transport and packaging of the product by the Customer under conditions incompatible with it;
- 11) Misuse and in disagreement with the Instruction Manual.

## PRIVACY POLICY

In accordance with the General Data Protection Law (LGPD) - No. 13.709, of August 14, 2018, this product has programmable functions for the capture and processing of images that may infringe the LGPD when used, together with other equipment, to capture personal data.

The equipment does not collect, use or store personal information, whether sensitive or not, for its operation.

Pumatronix is not responsible for the purposes, use and treatment of the images captured, and the control of the information and forms of operation of the product are the sole decision of the user or purchaser of the product.



Histórico de Alterações		
Data	Revisão	Conteúdo atualizado
05/20/2025	1.0	Edição inicial
06/13/2025	1.1	Atualização da nomenclatura

\* For more information access the product manual at [www.pumatronix.com.br](http://www.pumatronix.com.br).

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Movimento em Foco.

