# Network Video Recorder

# Quick  Operation  Guide

# TABLE OF CONTENTS

Thank you for purchasing our product. If there is any question or request, please do not hesitate to contact dealer. This manual is applicable to the models listed in the following table.

| Series | Model | Type |
|---|---|---|
| NR300 | NR300-4<br>NR300-8<br>NR300-16 | Network Video Recorder |
| NR30P | NR30P4-4<br>NR30P8-8<br>NR30P8-16 | Network Video Recorder |
| NR30TP | NR30TP-4<br>NR30TP-8<br>NR30TP-16 | Network Video Recorder |

# NVR Pre-Installation

The NR300, NR30P and NR30TP series NVR are highly advanced surveillance equipment that should be installed with care. Please take into consideration the following precautionary steps before installation of the NVR.

1. Keep all liquids away from the NVR.
2. Install the NVR in a well-ventilated and dust-free area.
3. Ensure environmental conditions meet factory specifications.
4. Install a manufacturer recommended HDD.

# NVR Installation

During the installation of the NVR:

1. Use brackets for rack mounting.
2. Ensure there is ample room for audio and video cables.
3. When installing cables, ensure that the bend radius of the cables are no less than five times than its diameter.
4. Connect both the alarm and RS-485 cable.
5. Allow at least 2cm (~0.75-inch) of space between racks mounted devices.
6. Ensure the NVR is grounded.
7. Environmental temperature should be within the range of -10 ℃ ~ 55 ℃, 14 ℉ ~ 131 ℉.
8. Environmental humidity should be within the range of 10% ~ 90%.

# Hard Disk Installation

*Before you start:*

Before installing a hard disk drive (HDD), please make sure the power is disconnected from the NVR. A factory recommended HDD should be used for this installation.

Up to 2 SATA hard disks can be installed on your NVR.

**Tools Required:** Screwdriver.
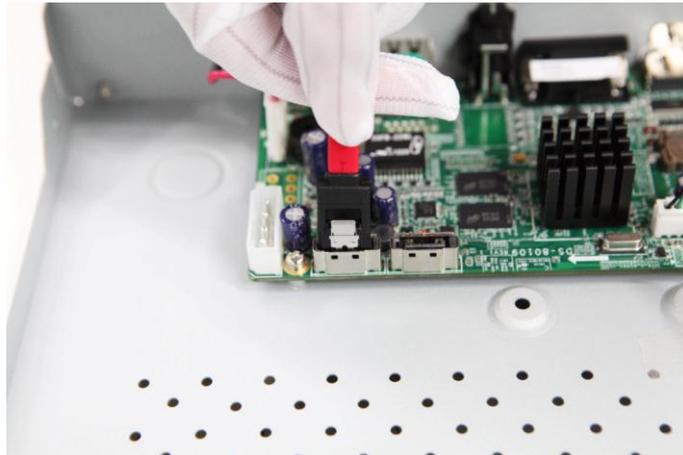
*Steps (for NR300 and NR30P):*

*Note:* The installation steps of NR30P are the same as NR300, so we take the installation steps of NR300 as example.

1. Remove the cover from the NVR by unfastening the screws on the back and side.

**2.** Connect one end of the data cable to the motherboard of NVR and the other end to the HDD.



**3.** Connect the power cable to the HDD.



**4.** Place the HDD on the bottom of the device and then fasten the screws on the bottom to fix the HDD.

**5.** Re-install the cover of the NVR and fasten screws.

*Steps (for NR30TP):*

**1.** Fasten the hard disk mounting handle to the hard disk with screws.



**2.** Insert the key and turn in clockwise direction to open the panel lock.



**3.** Open the front panel.



**4.** Insert the hard disk along the slot until it is placed into position.
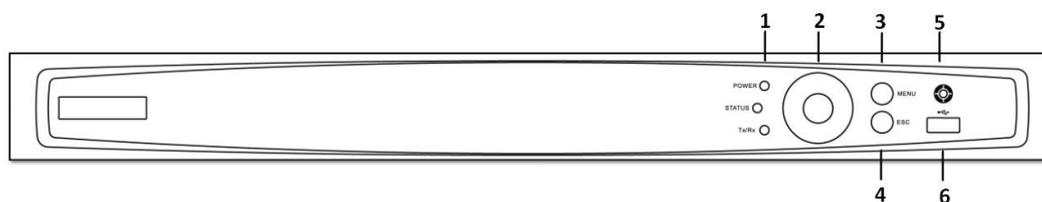
5.    Repeat the above steps to install other hard disks onto the NVR. After having finished the installation of all hard disks, close the front panel and lock it with the key again.
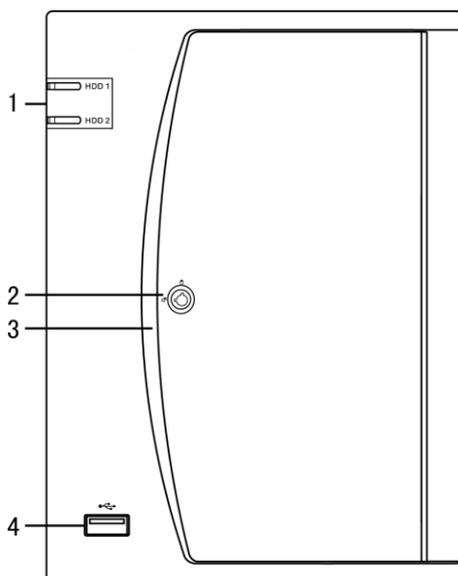
# Front Panel

**NR300 and NR30P**



Description of Control Panel

| No. | Name | Function Description |
|---|---|---|
| 1 | **POWER** | POWER indicator turns green when DVR is powered up. |
| | **STATUS** | STATUS indicator lights in red when data is being read from or written to HDD. |
| | **Tx/Rx** | Tx/Rx indictor blinks green when network connection is functioning properly. |
| 2 | **DIRECTION** | The DIRECTION buttons are used to navigate between different fields and items in menus. In the Playback mode, the Up and Down button is used to speed up and slow down recorded video. The Left and Right button will select the next and previous record files. In Live View mode, these buttons can be used to cycle through channels. In PTZ control mode, it can control the movement of the PTZ camera. |
| | **ENTER** | The ENTER button is used to confirm selection in any of the menu modes. It can also be used to *tick* checkbox fields. In Playback mode, it can be used to play or pause the video. In single-frame Playback mode, pressing the button will advance the video by a single frame. |
| 3 | **MENU** | Access the main menu interface. |
| 4 | **ESC** | Exit and back to the previous menu. |
| 5 | **IR Receiver** | Receiver for IR remote. |
| 6 | **USB Interface** | Connects USB mouse or USB flash memory devices. |

**NR30TP**



Description of Control Panel

| No. | Name | Function Description |
|---|---|---|
| 1 | **HDD Status Indicators** | The corresponding indicator blinks when the HDD is being read or written. |
| 2 | **Panel Lock** | You can lock or unlock the panel by the key. |
| 3 | **Running Status Indicator** | The indicator lights when the device is running. |
| 4 | **USB Interface** | Universal Serial Bus (USB) ports for additional devices such as USB mouse and USB Hard Disk Drive (HDD). |

# Rear Panel
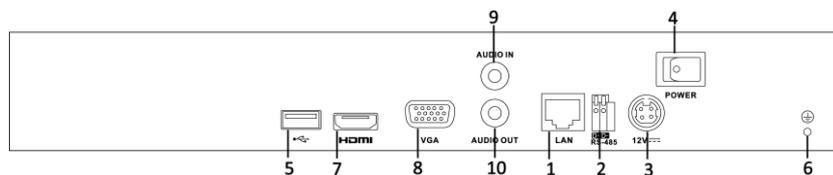


**NR300**

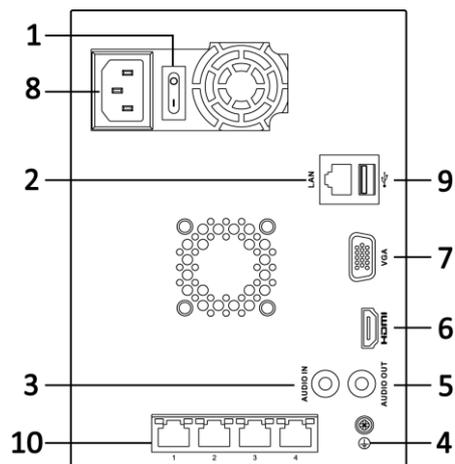| No. | Item | Description |
|-----|------|-------------|
| 1 | **LAN Network Interface** | Connector for LAN (Local Area Network). |
| 2 | **RS-485 Interface** | Connects to RS-485 devices. |
| 3 | **Power Supply** | 12VDC power supply |
| 4 | **Power Switch** | Switch for turning on/off the device. |
| 5 | **USB Interface** | Universal Serial Bus (USB) ports for additional devices such as USB mouse and USB Hard Disk Drive (HDD). |
| 6 | **GND** | Ground (needs to be connected when NVR starts up). |
| 7 | **HDMI Interface** | HDMI video output connector. |
| 8 | **VGA Output** | DB9 connector for VGA output. Display local video output and menu. |
| 9 | **Audio In** | RCA connector for voice talk input |
| 10 | **Audio Out** | RCA connector for audio output |



**NR30P**

| No. | Item | Description |
|-----|------|-------------|
| 1 | **LAN Network Interface** | Connector for LAN (Local Area Network). |
| 2 | **RS-485 Interface** | Connects to RS-485 devices. |
| 3 | **Power Supply** | 100~240VAC power supply |
| 4 | **Power Switch** | Switch for turning on/off the device. |
| 5 | **USB Interface** | Universal Serial Bus (USB) ports for additional devices such as USB mouse and USB Hard Disk Drive (HDD). |
| 6 | **GND** | Ground (needs to be connected when NVR starts up). |
| 7 | **HDMI Interface** | HDMI video output connector. |
| 8 | **VGA Output** | DB9 connector for VGA output. Display local video output and menu. |
| 9 | **Audio In** | RCA connector for voice talk input |
| 10 | **Audio Out** | RCA connector for audio output |
| 11 | **Network Interfaces with PoE function** | Network interface for the cameras and to provide power over Ethernet. |

**NR30TP**

| No. | Item | Description |
|-----|------|-------------|
| 1 | **Power Switch** | Switch for turning on/off the device. |
| 2 | **LAN Network Interface** | Connector for LAN (Local Area Network). |
| 3 | **Audio In** | RCA connector for voice talk input |
| 4 | **GND** | Ground (needs to be connected when NVR starts up). |
| 5 | **Audio Out** | RCA connector for audio output |
| 6 | **HDMI Interface** | HDMI video output connector. |
| 7 | **VGA Output** | DB9 connector for VGA output. Display local video output and menu. |
| 8 | **Power Supply** | 100~240VAC power supply |
| 9 | **USB Interface** | Universal Serial Bus (USB) ports for additional devices such as USB mouse and USB Hard Disk Drive (HDD). |
| 10 | **Network Interfaces with PoE function** | Network interface for the cameras and to provide power over Ethernet. |

# Specifications

## Specifications of NR300

| Model | | NR300-4 | NR300-8 | NR300-16 |
|---|---|---|---|---|
| Video/Audio input | IP video input | 4-ch | 8-ch | 16-ch |
| | Two-way audio input | 1-ch, RCA (2.0 Vp-p, 1kΩ) | | |
| Bandwidth | Incoming bandwidth | 20Mbps | 40Mbps | 80Mbps |
| | Output bandwidth | 40Mbps | | |
| Video/Audio output | Decoding resolution | 5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/ 2CIF/CIF/QCIF | | |
| | HDMI/VGA output | 1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz | | |
| | CVBS (optional) | 1-ch, BNC (1.0 Vp-p, 75 Ω) Resolution: 704 × 576 (PAL); 704 × 480 (NTSC) | | |
| | Audio output | 1-ch, RCA (Linear, 1kΩ). | | |
| | Playback resolution | 5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF | | |
| | Synchronous playback | 4-ch, 720P / 2-ch, 1080P / 1-ch, 5MP | 8-ch 4CIF /4-ch, 720P / 2-ch, 1080P / 1-ch, 5MP | |
| Hard disk | SATA | 1 SATA interface for 1 HDD | 2 SATA interfaces for 2 HDDs | |
| | Capacity | Up to 4TB for each disk | | |
| External interface | Network interface | 1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface | | |
| | Serial interface | 1 RS-485 half-duplex interface | | |
| | USB interface | 2 × USB 2.0 | | |
| | Alarm in/out (optional) | 4/1 | | |
| Others | Power supply | 12V DC | | |
| | Consumption | ≤ 10 W (without hard disk) | | |
| | Working temperature | -10 ℃ ~ +55 ℃ (14 ℉ ~ 131 ℉) | | |
| | Working humidity | 10 % ~ 90 % | | |
| | Chassis | Stand-alone 1U chassis | 19-inch rack-mounted 1U chassis | |
| | Dimensions (W × D × H) | 315 × 230 × 45mm (12.4 × 9.0 × 1.8 inch) | 445 × 290 × 45mm (17.5 × 11.4 × 1.8 inch) | |
| | Weight | ≤ 2 Kg (4.4 lb) (without hard disk) | | |

## Specifications of NR30P

| Model | | NR30P4-4 | NR30P8-8 | NR30P8-16 |
|---|---|---|---|---|
| **Video/Audio input** | **IP video input** | 4-ch | 8-ch | 16-ch |
| | **Two-way audio input** | 1-ch, RCA (2.0 Vp-p, 1kΩ) | | |
| **Network** | **Incoming bandwidth** | 20Mbps | 40Mbps | 80Mbps |
| | **Output bandwidth** | 40Mbps | | |
| | **Remote connection** | 128 | | |
| **Video/Audio output** | **Recording resolution** | 5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF | | |
| | **HDMI/VGA output** | 1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 ×768 /60Hz | | |
| | **CVBS (optional)** | 1-ch, BNC (1.0 Vp-p, 75 Ω) Resolution: 704 ×576 (PAL); 704 ×480 (NTSC) | | |
| | **Audio output** | 1-ch, RCA (Linear, 1kΩ) | | |
| | **Playback resolution** | 5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF | | |
| | **Synchronous playback** | 4-ch, 720P / 2-ch, 1080P / 1-ch, 5MP | 8-ch 4CIF /4-ch, 720P / 2-ch, 1080P / 1-ch, 5MP | |
| **Hard disk** | **SATA** | 2 SATA interfaces for 2 HDDs | | |
| | **Capacity** | Up to 4TB for each disk | | |
| **External interface** | **Network interface** | 1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface | | |
| | **Serial interface** | 1 RS-485 half-duplex interface | | |
| | **USB interface** | 2 ×USB 2.0 | | |
| | **Alarm in/out (optional)** | 4/1 | | |
| **PoE** | **Interface** | 4 independent 10 /100 Mbps PoE Ethernet interfaces | | 8 independent 10 /100 Mbps PoE Ethernet interfaces |
| | **Output Consumption** | 52W | | 120W |
| | **Supported Standard** | AF | | |
| **Others** | **Power supply** | 100~240VAC, 47~63Hz, 3A | | |
| | **Consumption** | ≤ 15 W (without hard disk) | | |
| | **Working temperature** | -10 ℃ ~ +55 ℃   (14 ℉ ~ 131 ℉) | | |
| | **Working humidity** | 10 % ~ 90 % | | |
| | **Chassis** | 19-inch rack-mounted 1U chassis | | |
| | **Dimensions (W ×D ×H)** | 445 ×290 ×45mm   (17.5 ×11.4 ×1.8 inch) | | |
| | **Weight** | ≤ 2 Kg ( without hard disk) | | |

## Specifications of NR30TP

| Model | | NR30TP-4 | NR30TP-8 | NR30TP-16 |
|---|---|---|---|---|
| Video/Audio input | IP video input | 4-ch | 8-ch | 16-ch |
| | Two-way audio input | 1-ch, RCA (2.0 Vp-p, 1kΩ) | | |
| Network | Incoming bandwidth | 20Mbps | 40Mbps | 80Mbps |
| | Output bandwidth | 40Mbps | | |
| | Remote connection | 128 | | |
| Video/Audio output | Recording resolution | 5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF | | |
| | HDMI/VGA output | 1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz | | |
| | Audio output | 1-ch, RCA (Linear, 1kΩ) | | |
| | Playback resolution | 5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF | | |
| | Synchronous playback | 4-ch, 720P / 2-ch, 1080P / 1-ch, 5MP | 8-ch, 4CIF /4-ch, 720P / 2-ch, 1080P / 1-ch, 5MP | |
| Hard disk | SATA | 2 SATA interfaces for 2 HDDs | | |
| | Capacity | Up to 4TB for each disk | | |
| External interface | Network interface | 1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface | | |
| | Serial interface | 1 RS-485 half-duplex interface | | |
| | USB interface | 2 × USB 2.0 | | |
| PoE | Interface | 4 independent 10 /100 Mbps PoE Ethernet interfaces | | |
| | Output Consumption | 52W | | |
| | Supported Standard | AF | | |
| Others | Power supply | 100~240VAC, 47~63Hz, 3A | | |
| | Consumption | ≤ 15 W (without hard disk) | | |
| | Working temperature | -10 ℃ ~ +55 ℃ | | |
| | Working humidity | 10 % ~ 90 % | | |
| | Chassis | Vertical chassis | | |
| | Dimensions (W × D × H) | 130 × 180 × 236mm (5.1 × 7.1 × 9.3 inch) | | |
| | Weight | ≤ 2 Kg (4.4 lb) ( without hard disk) | | |

# HDD Storage Calculation Chart

The following chart shows an estimation of storage space used based on recording at one channel for an hour at a fixed bit rate.

| Bit Rate | Storage Used |
|---|---|
| 96K | 42M |
| 128K | 56M |
| 160K | 70M |
| 192K | 84M |
| 224K | 98M |
| 256K | 112M |
| 320K | 140M |
| 384K | 168M |
| 448K | 196M |
| 512K | 225M |
| 640K | 281M |
| 768K | 337M |
| 896K | 393M |
| 1024K | 450M |
| 1280K | 562M |
| 1536K | 675M |
| 1792K | 787M |
| 2048K | 900M |
| 4096K | 1800M |
| 8192K | 3600M |
| 16384K | 7200M |

*Note:* Please note that supplied values for storage space used is just for reference. Storage space used is estimated by formulas and may have some deviation from actual value.

# Accessing by Web Browser

## Logging In

You can get access to the device via web browser. Open web browser, input the IP address of the device and then press Enter. The login interface appears.



Input the user name and password, and click the Login button.

*Notes:*

1.  The default IP address is 192.0.0.64.

2.  The default user name is admin, and password is 12345.

3.  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.

4.  The supported resolutions include 1024*768 and above.

When you log in for the first time, the system will remind you to install the Plug-in control. After the installation, you can configure and manage the device remotely.

## Live View

The live view interface appears by default when you log in the device.
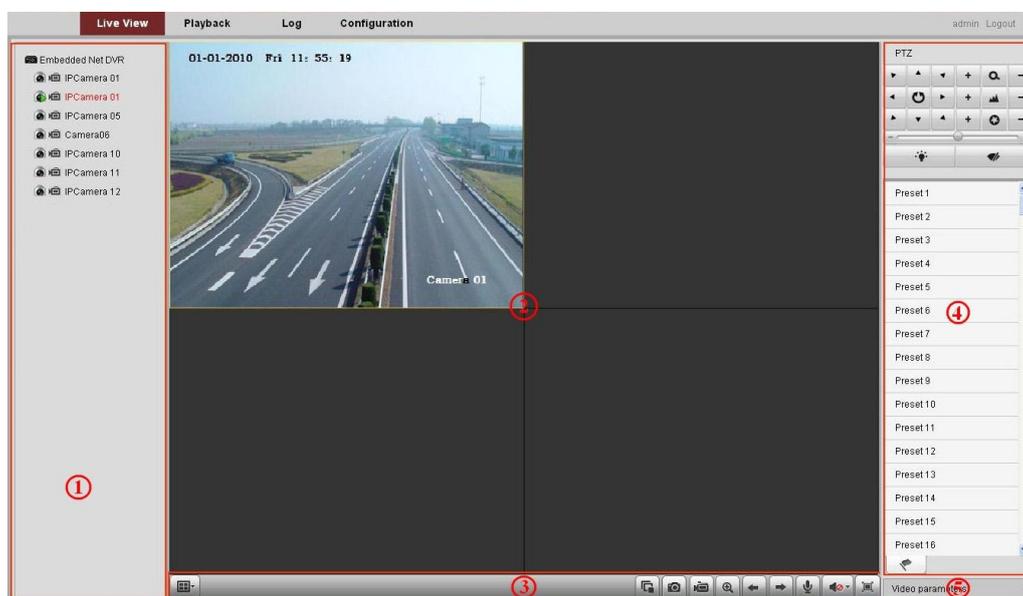


**Interface Introduction**

①   Channel List: Displays the list of channels and the playing and recording status of each channel.

②   Live View Window: Displays the image of channel, and multi-window division is supported.

③   Play Control Bar: Play control operations are supported.

④ PTZ Control: Pan, tilt, zoom operations are supported, as well as preset editing and calling.

*Note:* PTZ function can only be realized if the connected camera supports PTZ control.

⑤ Video Parameters Configuration: Brightness, contrast, saturation and hue of the image can be modified.

**Start Live View**

*Steps:*

1. In the live view window, select a playing window by clicking the mouse.
2. Double click a camera from the device list to start the live view.
3. You can click the  button on the toolbar to start the live view of all cameras on the device list.

   Refer to the following table for the description of buttons on the live view window:

| Icon | Description | Icon | Description |
|------|-------------|------|-------------|
|  | Select the window-division mode |  | Start/Stop all live view |
|  | Capture pictures in the live view mode |  | Start/Stop all recording |
|  | Previous page |  | Next page |
|  | Open/Close audio |  | Start/Stop two-way audio |
|  | Adjust volume |  | Enable/Disable digital zoom |
|  | Full-screen |  |  |

## Recording

*Before you start*

Make sure the device is connected with HDD or network disk, and the HDD or network disk has been initialized for the first time to use.

Two recording types can be configured: Manual and Scheduled. The following section introduces the configuration of scheduled recording.

*Steps:*

1. Click Remote Configuration> Camera Settings> Record Schedule to enter Record Schedule settings interface.
2. Select the camera to configure the record schedule.
3. Check the checkbox of **Enable Schedule** to enable recording schedule.
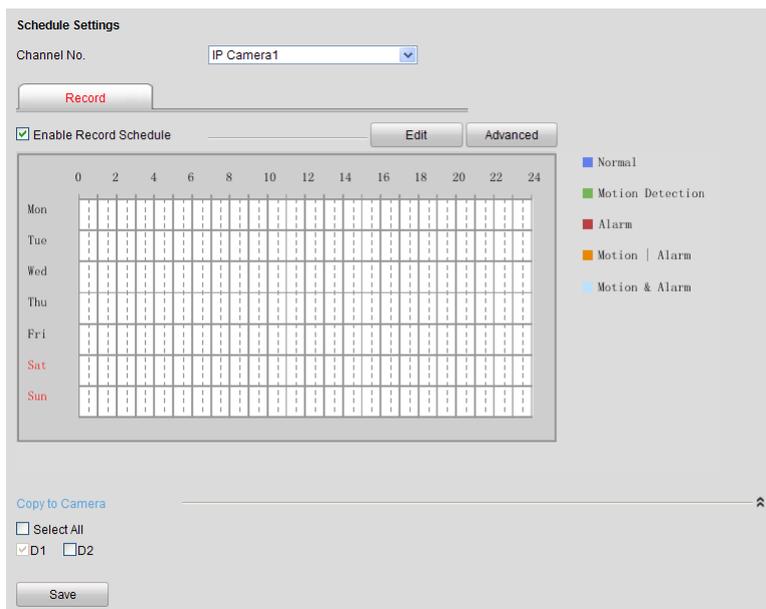
4. Choose the day in a week to configure scheduled recording.

5. Click **Edit** to edit record schedule**.**
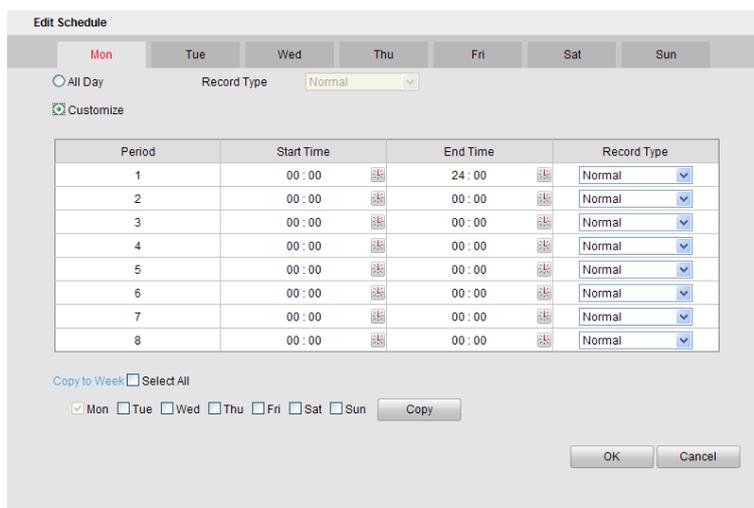


1) Configure All Day or Customize record:

● If you want to configure the all-day recording, please check the **All Day** checkbox.

● If you want to record in different time sections, check the **Customize** checkbox. Set the **Start Time** and **End Time.**

*Note:* The time of each segment can't be overlapped. Up to 8 segments can be configured.

2) Select a **Record Type**. The record type can be Normal, Motion, Alarm, Motion & Alarm, and Motion | Alarm.

3) Check the checkbox of **Select All** and click **Cop**y to copy settings of this day to the whole week. You can also check any of the checkboxes before the date and click **Copy**.

4) Click **OK** to save the settings and exit the **Edit Schedule** interface.

6. Click **Advanced** to configure advanced record parameters**.**

7.   Click **Save** to validate the above settings.

## Playback



**Interface Introduction**

①   Channel List: Displays the list of channels and the playing status of each channel.

②   Playback Window: Displays the image of channel.

③   Play Control Bar: Play control operations are supported.

④   Time Line: Displays the time bar and the records marked with different colors.

⑤   Playback Status: Displays the playback status, including channel number and playback speed.

⑥   Calendar: You can select the date to play.

**Start Playback**

*Steps:*

1.   Click **Playback** on the menu bar to enter playback interface.

2.   Click the camera from the device list for playback.

3.   Select the date from the calendar and click **Search**.

4.   Click the **Play** button to play the video file searched on the current date.

5.   Use the buttons on the toolbar to operate in playback mode.

| Button | Description | Button | Description |
|---|---|---|---|
| ▶ / �II | Play/Pause | ■ | Stop |
| ◄◄ | Slow down | ►► | Speed up |
| I► | Play by single frame | 🄾 | Capture |
| ◄ | Stop All Playback | ⤓ | Download |
| ✂ ✂ | Video Clip | 🔇 / 🔊 | Open/Close audio |
| ▣ | Full-screen | | |

6.   You can drag the progress bar with the mouse to locate the exact playback point. You can also input the time

   in the textbox [00] : [00] : [00] [→] and click [→] button to locate the playback point.

   The color of the video on the progress bar stands for the different video types.

   🟩 Command 🟦 Schedule Recording 🟥 Alarm Recording 🟨 Manual Recording

# Log

You can view and export the log files at any time, including operation, alarm, exception and information of device.

***Before you start***

The Log function can be realized only when the device is connected with HDD or network disk. And make sure the HDD or network disk has been initialized for the first time to use.

***Steps:***

1.  Click **Log** on the menu bar to enter the Log interface.



2.  Set the log search conditions to refine your search, including the Major Type, Minor Type, Start Time and End Time.

3.  Click the **Search** button to start searching log files.

4.  The matched log files will be displayed on the list shown below.

    *Note***:** Up to 100 log files can be displayed each time.

    You can click the [Save Log] button to save the searched log files to local directory.

# Menu Operation

## Menu Structure
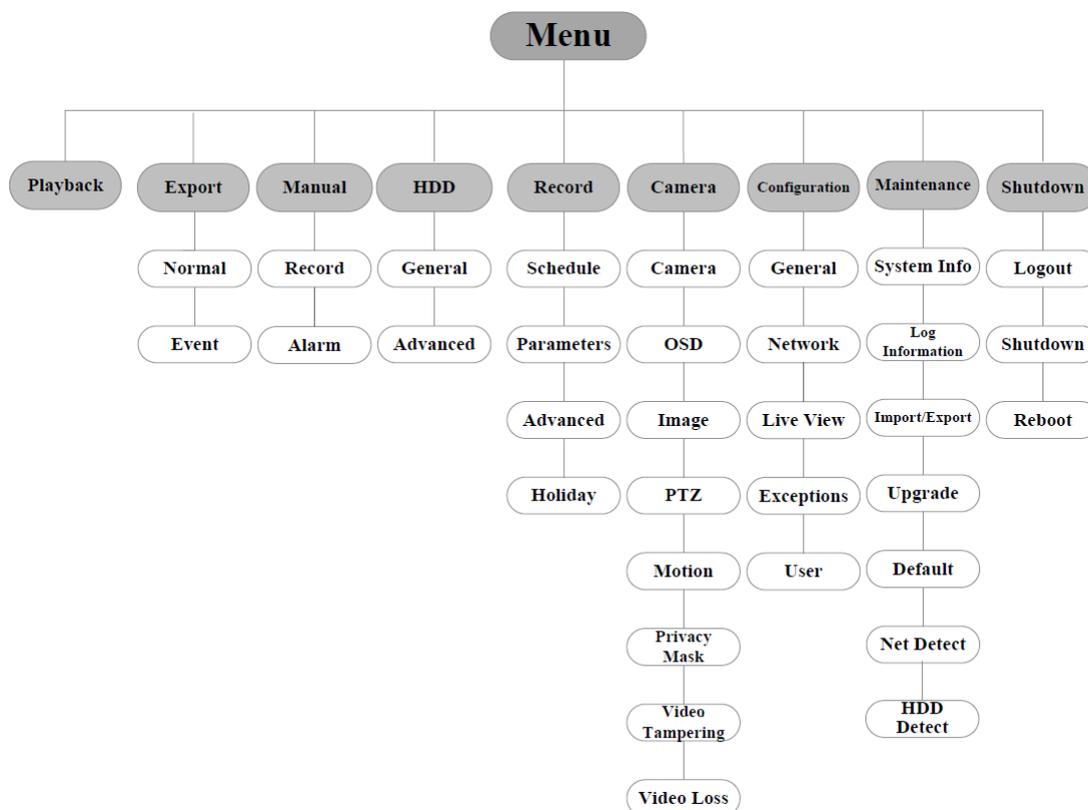


## Startup and Shutdown

Proper startup and shutdown procedures are crucial to expanding the life of the NVR.

To start your NVR:

1. Check the power supply is plugged into an electrical outlet. It is HIGHLY recommended that an Uninterruptible Power Supply (UPS) be used in conjunction with the device. The Power indicator LED on the front panel should be red, indicating the device gets the power supply.

2. Turn on the power switch on the rear panel to start the NVR immediately.

To shut down the NVR:

1. Enter the Shutdown menu.

    Menu > Shutdown
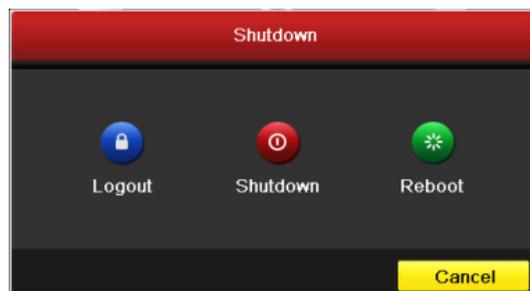


2. Select the **Shutdown** button.

3. Click the **Yes** button.

4. Shut the power switch down when the shutdown attention pops up.

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After the device starting up, the wizard will guide you through the initial settings, including modifying password, date and time settings, network settings, HDD initializing, and recording.

## Live View

Some icons are provided on screen in Live View mode to indicate different camera status. These icons include:

**Live View Icons**

In the live view mode, there are icons at the right top of the screen for each channel, showing the status of the record and alarm in the channel, so that you can find problems as soon as possible.

Alarm (video loss, tampering, motion detection or sensor alarm).

Record (manual record, schedule record, motion detection or alarm triggered record)

Alarm & Record

## Adding IP Cameras

You should add the online IP cameras to enable the live view and recording function.

You can search and add the online IP cameras by following the startup wizard, or according to the following steps.

*Steps:*

1. Right-click the mouse when you in the live view mode to show the right-click menu.

2. Select **Add IP Camera** in the pop-up menu and select **Auto** or **Manual** on your demand.
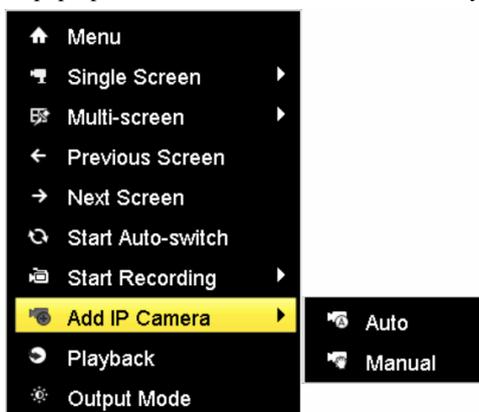
- **Auto**

The device will add the detected IP cameras or encoders automatically by the default user name and password of administrator.
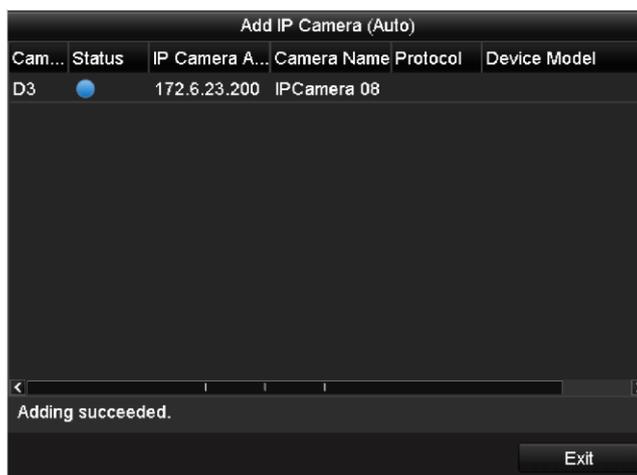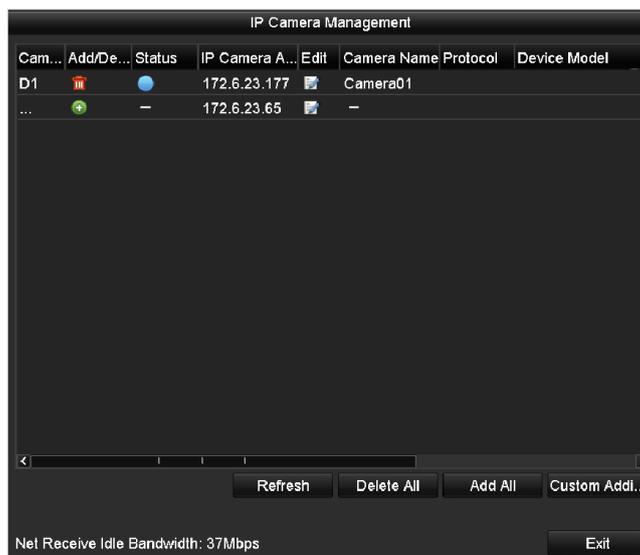
*Note:* If the user name and password is changed, the auto adding of IP camera will be failed, you may add it manually.

• **Manual**

*Steps:*

1. To add the online cameras with same network segment:

   1) The detected online camera will be listed in the camera list, as shown in the figure below.



   2) Click the  button to add the camera.

Explanation of the icons:

| Icon | Explanation | Icon | Explanation |
|------|-------------|------|-------------|
|  | Edit basic parameters of the camera |  | Add the detected IP camera. |
|  | The camera is connected; you can click the icon to get the live view of the camera. |  | The camera is disconnected; you can click the icon to get the exception information of camera. |
|  | The camera is connected. |  | Advanced settings of the camera. |
|  | Delete the IP camera | | |

2. To custom add the online cameras:

   (1) Click the **Custom Adding** button in the manual add interface to pop up the Add IP Camera

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(Custom) interface.

| No. | IP Address | Amount of... | Device M... | Protocol | Managen |
|-----|-----------|--------------|-------------|----------|---------|
| 1 | 172.6.23.200 | 1 | | | 8000 |

| | |
|---|---|
| IP Camera Address | 172.6.23.200 |
| Protocol | |
| Management Port | 8000 |
| User Name | admin |
| Admin Password | |

Protocol    Search    Add    Back

(2) You can edit the IP address, protocol, management port, and other information of the IP camera to be added.

(3) Click **Add** to add the camera.

## Record Settings

*Before you start:*

Make sure that the HDD has already been installed. If not, please install a HDD and initialize it. You may refer to the user manual for detailed information.

*Purpose:*

Two kinds of record types are introduced in the following section, including Instant Record and All-day Record. And for other record types, you may refer to the user manual for detailed information.

*Note:* After rebooting all the manual records enabled are canceled.

### Instant Record

On the live view window of each channel, there is a quick setting toolbar which shows on the bottom of the window when you click on it.

Click the [icon] icon to enable the record, and the icon turns to [icon]. And click [icon] icon to disable the record, then the icon turns to [icon].

### All-day Record

Perform the following steps to set the all-day recording.

On the live view window, right-click the window and move the cursor to the Start Recording option, and select Continuous Record or Motion Detection Record on your demand.
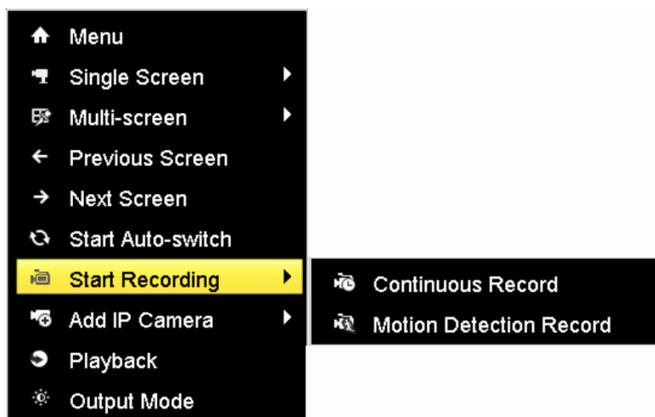
And click the **Yes** button in the popup Attention message box to confirm the settings. Then all the channels will start to record in the selected mode.

## Playback

Play back the record files of a specific channel in the live view menu. Channel switch is supported.

- **OPTION 1**

Choose a channel under live view using the mouse and click the [button icon] button in the shortcut operation menu.
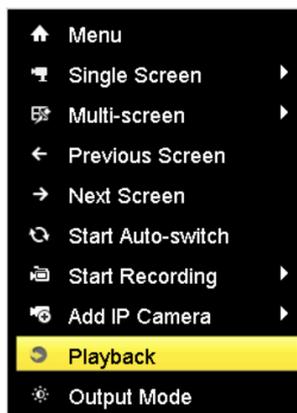
*Note:* Only record files recorded during the past five minutes on this channel will be played back.



- **OPTION 2**

*Steps:*

1.  Enter the Playback menu.

    Right click a channel in live view mode and select Playback from the menu.

Under multi-screen live view, record files of the top left channel (not masked) will be played back.

2.  Playback management.

The toolbar in the bottom part of Playback interface can be used to control playing process.



Just check the channel or channels if you want to switch playback to another channel or execute

simultaneous playback of multiple channels.

## Backup

Recorded files can be backed up to various devices, such as USB flash drives, USB HDDs or a DVD writer.

*Steps:*

1.  Enter Video Export interface.

Choose the channel(s) you want to back up and click on the **Search** button.



2.  Enter Export interface, choose backup device and press **Export** button to start exporting.

3.   Check backup result.

Choose the record file in Export interface and press button ⊚ to check it.