Network Video Recorder(NVR)
Quick Setup Guide

Precautions

Fully understand this document before using this device, and strictly observe rules in this document when using this device. If you install this device in public places, provide the tip "You have entered the area of electronic surveillance" in an eye-catching place. Failure to correctly use electrical products may cause fire and severe injuries.

**WARNING**
- It alerts you to moderate dangers which, if not avoided, may cause minor or moderate injuries.
- It alerts you to risks. Neglect of these risks may cause device damage, data loss, device performance deterioration, or unpredictable results.
- It provides additional information.

**CAUTION**
- Strictly observe installation requirements when installing the device. The manufacturer shall not be held responsible for device damage caused by users' non-conformance to these requirements.
- Strictly conform to local electrical safety standards and use power adapters that are marked with the LPS standard when installing and using this device. Otherwise, this device may be damaged.
- Use accessories delivered with this device. The voltage must meet input voltage requirements for this device.
- If this device is installed in unstable places, the device may be damaged.
- When this device is in use, ensure that no water or any liquid flows into the device. If water or liquid unexpectedly flows into the device, immediately power off the device and disconnect all cables (such as power cables and network cables) from this device.

**NOTE**
- All complete products sold by the manufacturer are delivered along with nameplates, quick setup guide and accessories after strict inspection. The manufacturer shall not be held responsible for counterfeit products.
- The manufacturer will update this manual according to product function enhancement or changes and regularly update the software and hardware described in this manual. Update information will be added to new versions of this manual without prior notice.
- This manual may contain misprints, technology information that is not accurate enough, or product function and operation description that is slightly inconsistent with the actual product, the final interpretation of company is as a standard.
- This manual is only for reference and does not ensure that the information is totally consistent with the actual product. For consistency, see the actual product.
- For more information, please refer to website.

Special Announcement

- If this device is installed in places where thunder and lightning frequently occur, ground the device nearby to discharge high energy such as thunder strikes in order to prevent device damage.
- Avoid heavy loads, intensive shakes, and soaking to prevent damages during transportation and storage. The warranty does not cover any device damage that is caused during secondary packaging and transportation after the original packaging is taken apart.
- Protect this device from fall-down and intensive strikes, keep the device away from magnetic field interference, and do not install the device in places with shaking surfaces or under shocks.
- Clean the device with a soft dry cloth. For stubborn dirt, dip the cloth into slight neutral cleaner, gently wipe the dirt with the cloth, and then dry the device.
- Do not jam the ventilation opening. Follow the installation instructions provided in this document when installing the device.
- Keep the device away from heat sources such as radiators, electric heaters, or other heat equipment.
- Keep the device away from moist, dusty, extremely hot or cold places.
- If the device is installed outdoors, take insect- and moisture-proof measures to avoid circuit board corrosion that can affect monitoring.
- Remove the power plug if the device is idle for a long time.

1. Open Package Examination

Open the package, check the appearance of product for no obvious damage, and confirm the item list for table 1-1 is consistent.

<table>
<thead>
<tr>
<th>Table 1-1 Packing list</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component</td>
</tr>
<tr>
<td>Network video recording</td>
</tr>
<tr>
<td>Quick Setup Guide</td>
</tr>
<tr>
<td>Mouse</td>
</tr>
<tr>
<td>Power adapter</td>
</tr>
<tr>
<td>Power cord</td>
</tr>
<tr>
<td>Phillips head screw</td>
</tr>
</tbody>
</table>

2. Device Structure

2.1 Device Ports

Different device may have different ports and multi-head cable. Please refer to the actual product.

<table>
<thead>
<tr>
<th>Table 2-1 Front panel description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Port Name</td>
</tr>
<tr>
<td>PWR Indicator</td>
</tr>
<tr>
<td>HDD Indicator</td>
</tr>
<tr>
<td>PoE Indicator</td>
</tr>
<tr>
<td>KB/MOUSE</td>
</tr>
<tr>
<td>BACKUP</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Table 2-2 Rear panel description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name</td>
</tr>
<tr>
<td>POE Port</td>
</tr>
<tr>
<td>LAN</td>
</tr>
<tr>
<td>AUDIO OUT/ AUDIO IN</td>
</tr>
<tr>
<td>VGA</td>
</tr>
<tr>
<td>HDMI</td>
</tr>
<tr>
<td>Alarm I/O</td>
</tr>
<tr>
<td>DC12V/DC48V</td>
</tr>
</tbody>
</table>

3. Device Installation

The hard disk of the NVR must be provided by the user. Take the following steps to install hard disk:

1. Remove the screws for fixing the cover and take down the cover.
2. Take out the screws and mount two of them to the screw holes, as shown in figure 3-1.
3. Route the screws through the cucurbit holes on the base, push the hard disk to the appropriate position, as shown in figure 3-2.
4. Turn the device over, and mount another two screws to the holes as shown in figure 3-3. Then fasten all screws.
5. Insert the hard disk data cable and power cable, then replace the upper cover and fasten the fixing screws.

For more information, please refer to website.
4 Device Operation

4.1 Startup

Before starting NVR, ensure that the NVR is connected to a power supply properly and a monitor is connected to the HDMI or VGA interface of the NVR correctly. After starting the NVR, there is a login window located in the center, as shown in figure 4.1.

In some environments, if the power supply is abnormal, the NVR may not work properly. In severe cases, the NVR may be damaged. In these environments, you are advised to use regulated power supply.

4.2 Topology of the NVR

NVR with PoE ports can access IP cameras immediately when plug IP cameras into NVR’s PoE ports. Then the NVR will assign an IP address for each camera automatically. The topology refer to figure 4.3.

4.3 Special Function

Click the AI Recognition icon, human face, or Thermal Temperature at the bottom of page to enter the AI interface, use can set and view the AI cameras’ parameters, include human face, vehicle license plate.

4.4 Power off

Enter the path > Main Menu > System > Maintenance > Shutdown to power off the NVR.

NOTE

Before replacing the hard disk, the power must be turned off. The special function is only carried by some devices, if the current device doesn’t have the function, please ignore it.

5 Quick Configuration

Plug in power to access the NVR user page, the wizard window would show at first time. User can configure quickly and close immediately. The configuration details please refer to main menu. Use mouse to right-click and drag the main interface to access the main menu. Main menu comprises Channel, Record, Alarm, Network and System settings, as shown in figure 5.1.

5.1 Channel

Channel settings contain Camera, Encode, Image, OSD, Privacy, Zone.

- Camera: user can add cameras automatically by clicking Click to Add, and add manually by clicking add. Tick cameras then click Delete to delete cameras. User can batch update software.

- Image: adjust image parameters and user can set sensor parameter.

- OSD: customize time and channel name displaying in the live video page.

- Privacy Zone: set a privacy zone by clicking and dragging cursor and double-click an exist private area to delete it. Support up to 4 zones.

- All these settings can be copied to other channels by clicking copy button.

5.2 Record

Record settings contain Record Schedule, Disk, Storage, RAID, SMART, Disk Detection and Cloud Storage.

Set record schedule and storage strategy. Enter SMART interface to view the state of disks. Disk detection can detect the disks.

Cloud storage can store alarm recording.

5.3 Alarm

Alarm settings contain General, Motion detection, Video loss, Intelligent analysis, Alarm in, Abnormal alarm as shown in figure 5-2.

5.4 Network

Network settings contain Network, 802.1X, DDNS, E-mail, Port Mapping, P2P, IP Filter, SNMP, 3G/4G, and PPPoE as shown in figure 5-3. Maybe some models have more functions; Please refer to the actual product.

5.5 System

System settings contain Information, General, User, Password, Auto Sequence, Logs, Maintenance and Auto Restart, as shown in figure 5-4.

5.6 Live Video

Live video page is showed after starting the NVR by default, as shown in figure 5-5.