**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.

**CAUTION**

- 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 cleanser, 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.

**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.

**CAUTION**

- It alerts you about risks. Neglect of these risks may cause device damage, data loss, device performance deterioration, or unpredictable results.

**NOTE**

- It provides additional information.

- 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 places with unstable voltage, ground this device to discharge high energy such as electrical surges in order to prevent the power supply from burning out.

- 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.

**Device Ports**

<table>
<thead>
<tr>
<th>Component</th>
<th>Quantity</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Network Video Recorder</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Quick Setup Guide</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Mouse</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Power adapter</td>
<td>1</td>
<td>Optional</td>
</tr>
<tr>
<td>Power cord</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Phillips head screw</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Terminal block</td>
<td>2</td>
<td>Optional</td>
</tr>
</tbody>
</table>

**Device Structure**

### 2.1 Device Ports

- Different devices may have different ports and multi-head cables; Please refer to the actual product.

**Front panel description of device, please refer to table 2-1.**

<table>
<thead>
<tr>
<th>Port Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>PWR</td>
<td>When the NVR is operating, the PWR indicator is steady on. When the NVR is shut down, the PWR indicator is turned off.</td>
</tr>
<tr>
<td>HDD Indicator</td>
<td>Hard disk status indicator. This indicator flashes when data is transmitted.</td>
</tr>
<tr>
<td>PoE Indicator</td>
<td>PoE network status indicator. This indicator flashes when data is transmitted.</td>
</tr>
<tr>
<td>MOUSE</td>
<td>Support connection to a USB mouse.</td>
</tr>
<tr>
<td>BACKUP</td>
<td>Support connection to a USB flash drive or USB removable hard disk.</td>
</tr>
</tbody>
</table>

**Table 2-1 Front panel description**

### Rear panel description of device, please refer to table 2-2.

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>LAN1/LAN2</td>
<td>RJ45 10/100/1000 Mbps adaptive Ethernet interface. LAN1 is deployed default gateway and used for external network. LAN2 is used for internal network.</td>
</tr>
<tr>
<td>AUDIO OUT/ AUDIO IN</td>
<td>Audio output / Audio input</td>
</tr>
<tr>
<td>VGA</td>
<td>Video output interface</td>
</tr>
<tr>
<td>HDMI</td>
<td>Video output interface</td>
</tr>
<tr>
<td>Alarm I/O</td>
<td>Alarm input/Alarm output</td>
</tr>
<tr>
<td>DC 12V</td>
<td>Connected to an external power adapter</td>
</tr>
<tr>
<td>Power switch</td>
<td></td>
</tr>
<tr>
<td>G, ground</td>
<td></td>
</tr>
</tbody>
</table>

**Device Installation**

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

1. Step 1 Remove the screws for fixing the cover and take down the cover.
2. Step 2 Take out the screws and mount two of them to the screw holes of hard disk, as shown in figure 3-1.
3. Step 3 Route the screws through the gourd holes on the base, as shown in figure 3-2.
4. Step 4 Turn the device over, and mount other two screws to the device, as shown in figure 3-2.
5. Step 5 Install another hard disk following step 2, step 3 and step 4, and insert the hard disk data cable and power cable, then replace the upper cover and fasten the fixing screws.
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 and 4-2.

CAUTION

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.

Figure 4-1 Activation interface  Figure 4-2 Login interface

4.2 Topology of the NVR

A free network includes other network devices in addition to IP camera and NVR. The topology of a free network can be organized freely so long as NVR and IP camera can communicate with each other smoothly. For the topology refer to figure 4-3

Figure 4-3 Topology of the NVR

4.3 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.

5 Quick Configuration

Plug in power to access the NVR user page. The wizard window would show at first time. The user can configure quickly or close immediately. The configuration details please refer to main menu. Use the mouse to right-click any where on 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. Encode: set stream information, encode type, resolution, frame rate, bit rate control and bitrate from drop lists for different channels.

5.2 Record

Record settings contain Record Schedule, Disk, Storage, 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, PPPOE, IP Filter, SNMP, 3G/4G, and P2P setting as shown in figure 5-3.

Figure 5-1 Main menu

Figure 5-2 Alarm

Figure 5-3 Network

5.5 System

System settings contain Information, General, User, Security Center, Auto Sequence, Auxiliary screen, Logs, Maintenance and Auto Restart, as shown in Figure 5-4.

Figure 5-4 System

5.6 Live Video

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

Figure 5-5 Live video

6 Mobile Client

Search for “InView Pro4” in App Store or Google Play to download and install the mobile client. Use the App to scan the QR code on the backboard of NVR, or in P2P setting page in NVR user interface. Then input the password of the NVR to add the NVR into the device list of the App. User can manage the device through mobile client.

7 Web Accessing

The NVR also can be accessed in a Web browser. Open a web browser like IE and enter the IP address of device (The default IP address is 192.168.0.121) in the address box, and press Enter. The login page is displayed as shown in figure 7-1.

Figure 7-1 Login