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 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 or obvious damage, and confirm the item list for table 2-1 is consistent. The hard disk of the XVR must be provided by the user. Take the following steps to install the hard disks:
  Step 1 Remove the screws for fixing the cover and take down the cover.
  Step 2 Take out the screws and mount two of them to the screw holes of the hard disk.
  Step 3 Route the screws through the gourd holes on the base, push the hard disk to the appropriate position on the left, as shown in Figure 3-1.
  Step 4 Turn the device over, and mount other two screws to the holes of hard disk.
- Different devices may have different ports and multi-head cables; Please refer to the actual product.

Device Installation

- Different devices have different ports and multi-head cables; Please refer to the actual product.
- For counterfeit products, strict inspection. The manufacturer shall not be held responsible for any consequences.
- For more information, please refer to website.

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>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>

2 Device Structure

2.1 Device Ports

- HDMI
- VGA
- USB
- Alarm I/O
- RS 485
- Power switch
- Ground

2.2 Device Dimensions

- LAN: RJ 45 10/100/1000 Mbps adaptive. Ethernet interface.
- HDMI: Video output interface.
- VGA: Video output interface.
- USB: USB 2.0 port, Connect USB flash or mouse.
- Alarm I/O: Alarm input/Alarm output
- RS 485: RS 485 port, support to connect PTZ device by RS 485 protocol, such as speed dome.

3 Device Installation

- Open the XVR, turn it over, and remove the screws to open the upper cover. Then put the upper cover away and fasten the fixing screws.

Table 1-1 Packing list

<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>
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<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>

Table 2-1 Front panel description

<table>
<thead>
<tr>
<th>Port Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 POWER Indicator</td>
<td>When the XVR is operating, the POWER indicator is steady on. When the XVR is shut down, the POWER indicator is turned off.</td>
</tr>
<tr>
<td>2 REC Indicator</td>
<td>Hard disk status indicator.</td>
</tr>
<tr>
<td>3 NET Indicator</td>
<td>This indicator flashes when data is transmitted.</td>
</tr>
<tr>
<td>4 MOUSE</td>
<td>Supports connection to a USB mouse.</td>
</tr>
<tr>
<td>5 BACKUP</td>
<td>Supports connection to a USB flash drive or USB removable hard disk.</td>
</tr>
</tbody>
</table>

Table 2-2 Rear panel description

<table>
<thead>
<tr>
<th>Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>VIDEO IN Port</td>
<td>Plug in analog camera by coaxial line.</td>
</tr>
<tr>
<td>CVBS OUT</td>
<td>output analog video signal.</td>
</tr>
<tr>
<td>AUDIO OUT/AUDIO IN</td>
<td>Audio output/Audio input.</td>
</tr>
<tr>
<td>LAN</td>
<td>RJ 45 10/100/1000 Mbps adaptive. Ethernet interface.</td>
</tr>
<tr>
<td>HDMI</td>
<td>Video output interface.</td>
</tr>
<tr>
<td>VGA</td>
<td>Video output interface.</td>
</tr>
<tr>
<td>USB</td>
<td>USB 2.0 port, Connect USB flash or mouse.</td>
</tr>
<tr>
<td>Alarm I/O</td>
<td>Alarm input/Alarm output.</td>
</tr>
<tr>
<td>RS 485</td>
<td>RS 485 port, support to connect PTZ device by RS 485 protocol, such as speed dome.</td>
</tr>
</tbody>
</table>

NOTE

- The hard disk of the XVR must be provided by the user. Take
  the following steps to install the hard disks:
  Step 1 Remove the screws for fixing the cover and take down the cover.
  Step 2 Take out the screws and mount two of them to the screw holes of the hard disk.
  Step 3 Route the screws through the gourd holes on the base, push the hard disk to the appropriate position on the left, as shown in Figure 3-1.

- Just screw the screws about 1 to 2 turns instead to the end.
- Step 4 Turn the device over, and mount other two screws to the holes, as shown in Figure 3-2. Then fasten all the screws.

NOTE

- For more information, please refer to website.
- Open the package, check the appearance of product for no obvious damage, and confirm the item list for table 1-1 is consistent.
- This indicator flashes when data is transmitted.
- This indicator is steady on. When the XVR is shut down, the POWER indicator is turned off.
- Different devices have different ports and multi-head cables; Please refer to the actual product.
- When the XVR is shut down, the POWER indicator is turned off.
- This indicator flashes when data is transmitted. When the XVR is shut down, the POWER indicator is turned off.
- This indicator is steady on. When the XVR is shut down, the POWER indicator is turned off.
- Different devices have different ports and multi-head cables; Please refer to the actual product.
- Different devices have different ports and multi-head cables; Please refer to the actual product.
- Different devices have different ports and multi-head cables; Please refer to the actual product.
4 Device Operation

4.1 Startup

Before starting XVR, ensure that the XVR is connected to a power supply properly and a monitor is connected to the HDMI or VGA interface of the XVR correctly. After starting the XVR, there is a login window located in the center, as shown in figure 4-1 and 4-2.

4.2 Topology of the XVR

XVR can access analog cameras immediately when analog cameras are plugged into XVR’s VIDEO IN ports. Then the XVR will assign an IP address for each camera automatically. For 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 local UI to enter the AI interface. User can set and view the AI cameras’ parameters, including human face, vehicle license plate.

4.4 Power off

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

5 Quick Configuration

Plug in power to access the XVR user page. The wizard window would show at first time. The user can configure it quickly or close it immediately. For 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, Sensor Setting, OSD, Privacy Zone/ROI, set on live video screen. • Channel Type: set the analog channels’ type, user can set AUTO/ANALOG/TV/VCVIP. • Microphone: adjust and set the microphone of channels. • Human thermometer/Smart/Intelligent Tracking: these functions are used for special function cameras, configure the parameters of cameras.

5.2 Record

Record settings contain Record Schedule, Disk, Storage, Disk Calculation, S.M.A.R.T, Disk Detection, Disk Calculation and FTP. Set record schedule and storage strategy. User can calculate the disk’s using time at Disk calculation interface. Enter S.M.A.R.T interface to view the state of disks. Disk detection can detect the disks. FTP: set the parameters of FTP upload, the alarm video can be sent to FTP path.

5.3 Alarm

Alarm settings contain General, Motion detection, Camera Tamper, Video loss, Intelligent analysis, Alarm in, Abnormal alarm, Alarm out, Local Intelligent Analysis, 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, PPPoE, Network Traffic and Platform Access, as shown in figure 5-3. Maybe some models have more functions, please refer to actual products.

5.5 System

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

5.6 Live Video

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

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 back board of XVR, or in P2P settings page in XVR user interface. Then input the password of the XVR to add the XVR into the device list of the App. User can manage the device through mobile client.

7 Web Accessing

The XVR also can be accessed in a Web browser. Open a web browser like Chrome 45 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. This user name and password are same as in the UI interface.