

Digital Video Recorder (DVR) Quick Setup Guide

NO.:101-600-0220-04
Issue:1.4

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. |

WARNING

- 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 unsteady 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.

- 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.

- 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.

Special Announcement

- 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.

NOTE

For more information, please refer to website.

1 Packing List

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

Table 1-1 Packing list

| Component | Quantity | Remark |
|------------------------|----------|--------|
| Digital Video Recorder | 1 | |
| Quick Setup Guide | 1 | |
| Mouse | 1 | |
| Power adapter | 1 | |
| Accessories package | 1 | |

2 Device Structure

2.1 Device Ports

NOTE

Different device may have different ports, please refer to the actual product.

Figure 2-1 Front panel

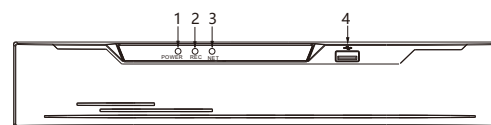


Table 2-1 Front panel description

| ID | Port Name | Description |
|----|-----------|---|
| 1 | POWER | Power indicator, When DVR is operating, the Power indicator is steady on. When DVR is shut down, the PWR indicator is turned off. |
| 2 | REC | Record indicator This indicator flashes when DVR is recording. |
| 3 | NET | Net indicator This indicator flashes when DVR is connected network successfully. |
| 4 | USB | Supports connection to an USB mouse or keyboard. |

Figure 2-2 Rear panel

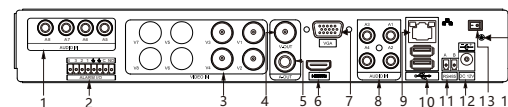


Table 2-2 Rear panel description

| ID | Name | Description |
|----|-----------|------------------------|
| 1 | AUDIO IN | Audio Input |
| 2 | ALARM I/O | Alarm Input/Output |
| 3 | VIDEO IN | Video input |
| 4 | CVBS | CVBS output interface |
| 5 | A-OUT | Audio output |
| 6 | HDMI | Video output interface |
| 7 | VGA | Video output interface |
| 8 | AUDIO IN | Audio Input |

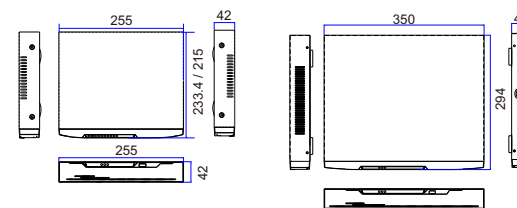
| ID | Name | Description |
|----|-----------------------|---|
| 9 | LAN network interface | Rj45 10 /100 /1000 Mbps adaptive Ethernet interface |
| 10 | USB | Supports connection to an USB mouse and keyboard. The bottom one supports U disk. Note: The top one and the USB port of front panel can not be used at the same time. |
| 11 | RS485 | RS 485 port |
| 12 | DC power interface | Connected to an external power adapter |
| 13 | Power switch | -(Optional for different DVR) |
| 14 | Ground screw | Safe ground screw of the device |

2.2 Device Dimensions

NOTE

Different device may have different dimensions, please refer to the actual product.

Figure 2-3 Dimensions (Unit:mm)



3 Device Installation

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

Step 1 Remove the screws for fixing the cover and take down the cover.

Step 2 Take out the screws and fix the screws of hard disk as shown in figure 3-1.

Figure3-1 Installing hard disk



Step 3 Insert the hard disk data cables and power cables as shown in figure 3-2.

Figure3-2 Insert hard disk data cable and power cable



Step 4 Put on the upper cover and fasten the fixing screws.

4 Device Operation

4.1 Startup

Before starting DVR, ensure that the DVR is connected to a power supply properly and a monitor is connected to the HDMI or VGA interface of the DVR correctly. DVR will enter the live video interface and the power indicator will be on, when DVR powers on

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

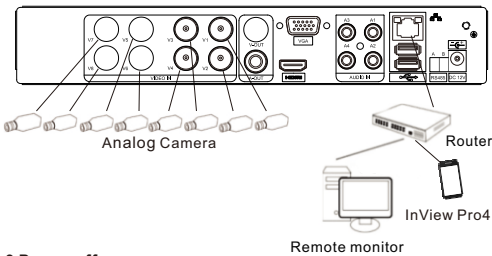
NOTE

The default user name and password both are **admin**. For system security, users will be forced to modify password when login the system at the first time. If the DVR need activation, please create a new password to login. User can change the system display language on the login window.

4.2 Topology of the DVR

A free network includes other network devices in addition to IP cameras and DVR. The topology of a free network can be organized freely so long as DVR and IP cameras can communicate with each other smoothly.

Figure 4-1 Topology of the DVR



4.3 Power off

Choosing **Main Menu > System > Maintenance > Shutdown** to power off the DVR. Click and choose shutdown or pressing the power switch to power off the DVR if the power switch exist in rear panel

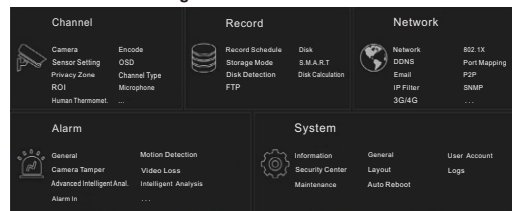
NOTE

- If the DVR is shut down abnormally, it can automatically backup video and resume previous working status after power failure.
- Before replacing the hard disk, the power supply switch in the rear panel must be turned off.

5 Quick Configuration

Plug in power to access the DVR user page, the wizard window would show at first time, user can configure quickly or close immediately. The details of configure please refer to main menu. Use mouse to right-click any where of the main interface to access the main menu. Main menu comprises Channel, Record, Alarm, Network and System settings, as shown in figure 5-1.

Figure 5-1 Main menu



5.1 Channel

Channel settings contain **Camera, Encode, Sensor Setting, OSD, Privacy, Channel Type, ROI, Microphone, Human Thermometer, Smart, and Intelligent Tracking.**

- Camera:** Users can add cameras automatically by clicking **Click to Add**, and add manually by clicking **Add**. Tick cameras then click **Delete** to delete cameras. Users can batch update software.
- Encode:** Users can set stream, encode type, resolution, frame rate, bit rate type, bit rate and so on.
- Sensor Setting:** Adjust image parameters and users 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.
- Channel Type:** Set the channel type, there are auto, AHD, TVI, CVI, IP can be chosen; For the additional channels, IP mode is only chosen.
- Some of these settings can be copied to other channels by clicking **Copy** button.
- Microphone, Human Thermometer, Smart, and Intelligent Tracking** are the special functions for some models, not applicable for all cameras.

5.2 Record

Record settings contain **Record Schedule, Disk, Storage Mode, S.M.A.R.T, Disk Detection, Disk Calculation and FTP.**

- Record Schedule:** Set record schedule and storage strategic. ANR is auto network recording, if the camera is plugged SD card and enabled record, if camera is disconnected, when the connection is recovered, DVR will copy the recording of the lost videos.
- Enter **S.M.A.R.T** interface to view the state of disks.
- Disk Detection:** Check the disk health status.
- Disk Calculation:** Two methods to calculate.
- FTP:** File Transfer Protocol, set the FTP path to save the alarm information if linkage to FTP.

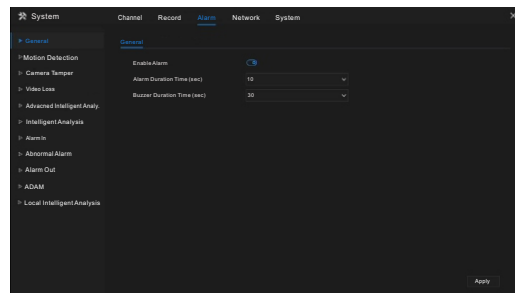
NOTE

- Format the disk and all data on disk will be lost, please be careful to do this.
- Before replacing the hard disk, the power must be turned off.
- For the safety of disks, please make sure the stabilization of power on.

5.3 Alarm

Alarm settings contain **General, Motion Detection, Camera Tamper, Video Loss, Advanced Intelligent Analysis, Intelligent Analysis, Alarm in, Abnormal Alarm, Alarm out, ADAM and Local intelligent analysis**, as shown in figure 5-2.

Figure 5-2 Alarm



- General:** Enable or disable alarm and set duration time of alarm and buzzer.
- Motion Detection:** Enable this function, if detects any movement, it will alarm.
- 1. Event actions:** Contain buzzer, alarm out, push message to App, pop-up message to monitor, send E-mail and post recording (after enabling, choose the recording time from drop list.)
- 2. Area:** Set motion detection area. Press left button and drag the cursor to add a detection area, and double-click an area to delete it.
- 3. Schedule:** Set schedule to enable or disable motion detection alarm. There are three methods to set: the first is clicking the double arrows button to choose all day. The second, click and drag the cursor to select periods. The third, click one by one.
- Video Loss, Intelligent Analysis** are same settings as motion

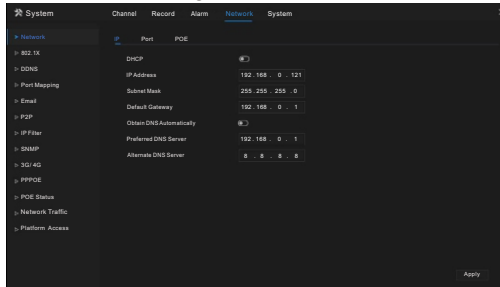
detection.

- Advanced Intelligent Analysis** is used for thermal cameras, alarms for smoker detection, smoke and flame detection and fire spot detection.
- Alarm In / Alarm out:** Settings for I/O alarming.
- Abnormal Alarm** can tick disk error, IP conflict, network disconnected.
- ADAM:** Add the ADAM data acquisition modules to allow connecting to more alarm devices.
- Local Intelligent Analysis:** It is up to be set for 4 channels, set local intrusion parameter on DVR.

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.

Figure 5-3 Network

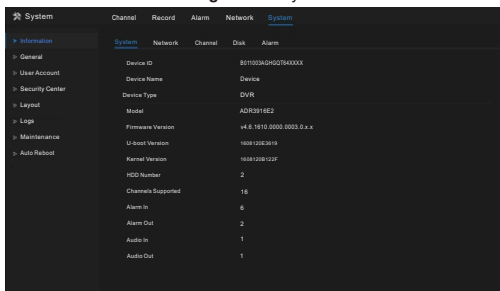


- Network, 802.1X, DDNS, and SNMP** interface to set network parameters.
- Email:** Set E-mails for sending and receiving alarm messages and password retrieval message.
- Port Mapping:** Set the ports for remote scanning.
- P2P:** Add NVR into device list of App by accessing the QR code.
- IP Filter:** Settings for creating black list or white list.
- 3G/4G:** Use 3G/4G modem plug to DVR provide the network.
- PPPoE:** Point to point network to access DVR directly.
- Network Traffic:** View the send and receive rate of network.
- Platform Access:** Set URL parameters for accessing to CMS (Center Management System).

5.5 System

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

Figure 5-4 System



- Information:** View the basic information, such as System, Network, Channels, Disk, Alarm.
- General:** Include system, date and time, time zone, DST.
- User Account:** Add users and set advance setting (auto login, password double authentication, boot wizard).
- Security Center:** Modify the password, pattern unlock, secure Email, Secure question.
- Layout:** Add layouts to preview live video of the channels.
- Logs:** Users can export logs (operating and alarm logs) if plug in a USB disk.
- Maintenance:** Include shutdown, reboot, exit system, reset, import configuration, export configuration and update.
- Auto Reboot:** Enable this function and the device will restart periodically.

5.6 Live Video

Live video page is showed after starting the DVR by default, as shown in figure 5-6.

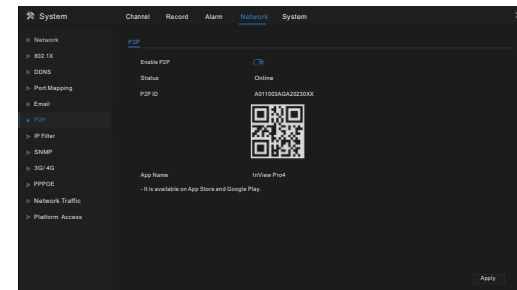
Figure 5-6 Live video



6 Mobile Client

Search for **"InView Pro 4"** 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 DVR, or in P2P settings page in DVR user interface, as shown in figure 6-1. Then input the password of the DVR to add the DVR into the device list of the App. Users can manage the device through mobile client.

Figure 6-1 P2P



7 Web Accessing

The DVR 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



NOTE

The user name and password are same as the UI interface.