



# Quick Start Guide

## 8000 Series Digital Video Recorder

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Version: 3.0

Date: October 2018

Thank you for purchasing our device!

## **Declaration**

The user's manual is designed to be a reference tool for your system.

As our products are regularly updated, we cannot guarantee exact consistency between the actual product and the written information in the manual.

Screenshots shown are for illustration purpose only. Pictures in this manual may not be exactly consistent with the actual products.

If you have any questions, please contact our after-sales service department to obtain a copy of the latest product-related documents.

### **Important Safeguards and Warnings**

#### 1. Electrical safety

Installation and operations should conform to your local electrical safety codes. We assume no liability or responsibility for any fires or electrical shocks caused by improper handling or installation.

#### 2. Transportation

Avoid heavy pressure, furious and frequent vibration or water splashing during transportation, storage and installation.

#### 3. Installation

Keep upright, handle with care.

Do not connect the DVR to the power before completion of installation.

Do not place objects on top of the DVR.

#### 4. Qualified engineers needed

All examination and repair should be carried out by qualified service engineers.

We assume no responsibility for any damages caused by unauthorized modification or repair.

#### 5. Environment

The DVR should be installed in a cool and dry place away from direct sunlight and inflammable or explosive substances.

This product should be transported, stored and operated in the specified environments.

#### 6. Accessories

Please open the package to check if all components are included before installation.

Contact your local retailer if any component is broken or missing.

#### 7. Lithium battery

Improper battery use may result in fire, explosion, or personal injury.

Please replace the battery with that of the same model .

# 1 Installation

## 1.1 Unpacking Inspection

When you receive the device, please check if all items are in the box according to the packing list in the box.

## 1.2 HDD Installation

**Tools:** A cross screwdriver.



① Remove the screws of the device and disassemble the cover.

② Install the HDD into the HDD bracket and connect it to the HDD interface.

③ Fix the HDD at the bottom of the chassis.

④ Reinstall and fix the cover with screws.

1. The environment temperature should be below 35°C.

2. Reserve a distance of 15 cm (6 inches) in the device for sufficient ventilation interface.

### Notes:

1. Our equipment will format the HDD once it boots up, please back up all HDD data.

2. We recommend using the surveillance HDD, which is suitable for long term usage and is capable of reading and writing large amount of data. If you are interested, please purchase from our official channels to ensure the product quality.

## 1.3 Front Panel Instruction

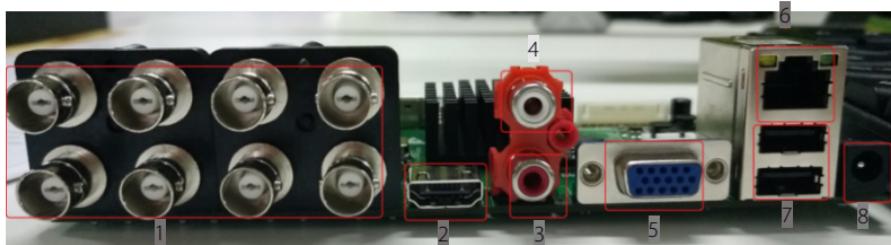
**Note:** different modes of devices are equipped with different features.

Name	Identification	Descriptions
Power Switch		Power button; press this button to boot up or shut down the DVR.

USB Port		USB2.0 interface: 1. Connecting the mouse; 2. Connecting the USB with the device to back up videos or upgrade the firmware.
Menu	Menu	Access the menu interface.
Rec		Start recording.
Direction Key		1. Assisting functions such as PTZ menu; 2. During monitoring, press the keys to switch between multiple-window and one-window; 3. Activate the digital input box and choose a number; 4. Activate a drop-down list and select different options; 5. Activate a checkbox to change the status; 6. Activate the control box to move the slider; 7. Activate a display window to select the previous and the next channel.
Enter	Enter, OK	Confirm the current operation.
ESC	Esc, 	Go to the previous menu, or cancel the current operation.
Shift	Shift	Switch input methods.
Play/Pause		1. Go to the SEARCH interface; 2. In PTZ channel: ZOOM+; 3. During normal playback, click on this button to pause; 4. In pause mode, click on this button to resume playback.
Fast/ Backward Playback		Multiple fast-forward and fast-backward speeds.
Previous/ Next Record		Play the next or previous video recording.
Power Light	Power	Red light indicates that the device is powered on.

HDD Light	HDD	When it is lit, there is no HDD or HDD error.
Network Light	Net	When the device is connected to the network cable, the light is on; when there is IP conflict, the light will flash.
Rec Light	Rec	It is lit during recording.
IR	IR	Receive remote control signals.
Alarm Light	Alarm	It is lit when an alarm is triggered.
Recording Light	1~16	Green light indicates that the channel is recording.

## 1.4 Back Panel Instructions

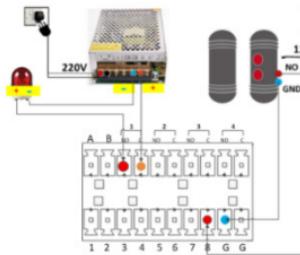


**Note:** different modes of devices are equipped with different features.

Index	Name	Descriptions
1	Video input	The composite video signal (CVBS) input.
2	HDMI interface	High-resolution video output interface.
3	Audio input	The audio signal input interface.
4	Audio output	The audio signal output interface.
5	VGA interface	Video output interface.
6	Network interface	10M/100M self-adaptive Ethernet interface(RJ45).

7	USB interface	1. Connecting the mouse; 2. Connecting the USB with the device to back up videos or upgrade the firmware.
8	Power input	DC 12V/2A, DC 12V/3.3A, DC 12V/4A, AC220V.

## 1.5 Alarm Connection



Name	Descriptions	Name	Descriptions
A/B	RS485 interface	NO1.C	Alarm out
NO2.C	Alarm out	NO3.C	Alarm out
NO4.C	Alarm out	1—8	Alarm in
G	Ground interface		

### 1.5.1 Alarm Input Connection

1. Grounding alarm inputs. (Normal open or Normal close)
2. Please parallel connect the ground of the DVR and the ground of the alarm detector.
3. The alarm detector's NO port should be connected to the DVR's alarm input.
4. The alarm detector should be connected to the DVR's GND end once the detector is powered by the external power supply.

### 1.5.2 Alarm Output Connection

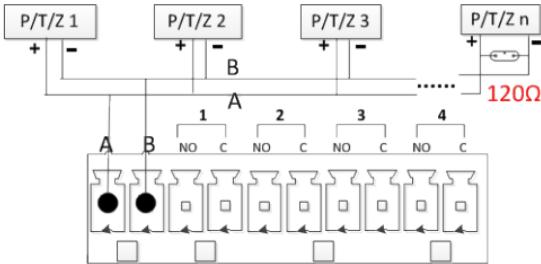
The alarm output signal is a switch signal, normal open by default. The alarm output equipment needs an external power supply.

## 1.6 PTZ Connection

- PTZ's "+" terminal should be connected to DVR's interface "A";  
 PTZ's "-" terminal should be connected to DVR's interface "B".
1. PTZ's video output interface should be connected to DVR's video input interface.
  2. Power up the PTZ.

3. Choose the correct PTZ protocol in menu [**Config**] → [**Channel**] → [**PTZ**].

**Note:** 120Ω resistors should be connected in parallel with remote A/B lines to reduce the signal distortion if a larger number of PTZs are connected.



## 2 Basic Operation Guide

### 2.1 Power On

Install the DVR correctly (as above) and connect it to the power. DVR's LED lights will be on and it will boot up automatically.

The DVR will detect any connected hardware (cameras, monitors, etc.) automatically. This process should last about 20 seconds. You will hear a "beep" sound when the process has completed. The DVR will enter the multi-screen real-time surveillance mode. If the current time which the DVR displayed is within the recording period scheduled, the DVR will start recording accordingly.

### 2.2 Power Off

There are two ways to shut down the DVR:

1. Right-click on [**Main Menu**] → [**Shut Down**].

2. If there are buttons on the front panel, press the switch button to shut the device down.

### 2.3 Login

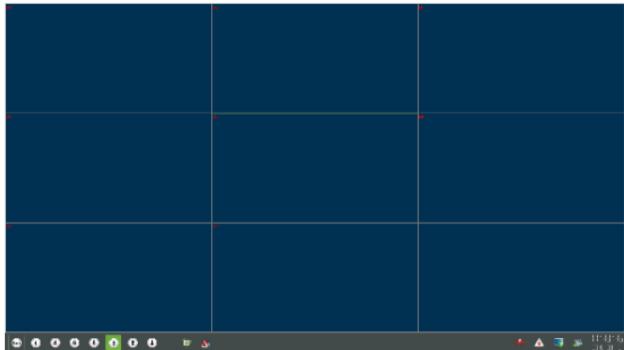
Right-click and select "Login" from the menu, then input the username and password.

**Note:** The default User Name is **admin** and the default Password is **123456**. Users can modify the password. The administrator can add, delete and modify other accounts' parameters.



## 2.4 Preview

After login the system, it is in live mode. You can find the date and time of the system, the channel's name, and so on.



*The Preview GUI*

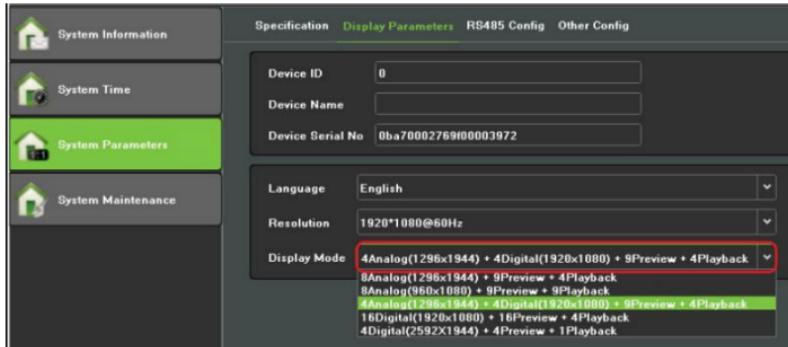
There is a “Start” button on the bottom-left corner. Click on it to choose from accessing the main menu and other options. Left-click on the “Menu” button, then the main menu will pop up, where you can manage the DVR and channels.



## 2.5 Channel Management

### 2.5.1 Mode Switch

Click on [Start] → [System Manage] → [System Parameters] → [Display Parameters] → [Display Mode] to set the channel's parameters. There are multiple options for full-analog mode and composite mode.



### 2.5.2 IP Channel

If you use composite mode, you can manage the IP channels and Analog channels at [Start] → [Channel Manage] → [Channel Device].

The screenshot shows the 'Channel Manage' section with the 'Channel Device' tab selected. The table lists four IP channels (01, 02, 03, 04) with their connection status checked. The columns are: Channel No., Connection Address, Port, Protocol, Connection Status, Edit, and Delete.

Channel No.	Connection Address	Port	Protocol	Connection Status	Edit	Delete
01				<input checked="" type="checkbox"/>		
02				<input checked="" type="checkbox"/>		
03				<input checked="" type="checkbox"/>		
04				<input checked="" type="checkbox"/>		

Click on [Add Channel] and click on [Refresh] to search IPCs in the LAN, and tick the corresponding checkboxes to select the desired IPCs, then click on [Add] to add them to the video recorder.

**Manual Add:** Click on **[Add Channel] → [Manual Add]**, then fill in the correct parameters to add the IPCs.

**Auto Add:** Click on **[Add Channel]** and select **[Auto Add]**, click on **[Search]** to search and select the available IP cameras, and click on **[Add]** to add.

**Note:** Features mentioned in this section are only available to devices which support IP channels.

### 2.5.3 Video Encode Configuration

Left-click on the start button to access **[Main Menu] → [Channel Manage] → [Regular Config] → [Media Parameters]** to configure the corresponding channel's encoding parameters.

**[Stream Type]** Main Stream/ Sub Stream

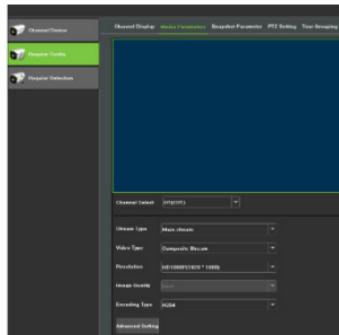
**[Video Type]** Video Stream/ Composite Stream

**[Resolution]** HD 1080P/ 960H/ 2M/ etc.

**[Image Quality]** Good/ Best/ Low

**[Encoding Type]** H.264/ H.265/MJPEG

**Note:** Features showed in the picture are only available to certain devices. And device's menu showed in the picture below may be different from that of the device you are using.



## 2.6 PTZ Control

Follow the below steps to control PTZ.

1. Go to the preview interface, left-click on the PTZ channel, then the menu will pop up; click on the PTZ icon to entry the PTZ control interface.

2. Configure the parameters.

**[Speed]** The speed ranges from 1 to 16. The larger the value, the faster the speed.

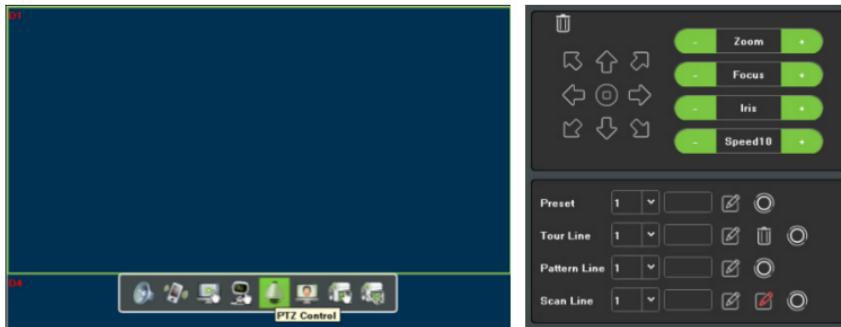
**[Zoom] [Focus] [Iris]** Click on and/or to adjust the parameters.

**[Preset]** Input preset value in a box and click on the round icon to enable the preset function.

**[Tour]** Set the tour line and click on the round icon to enable the tour function.

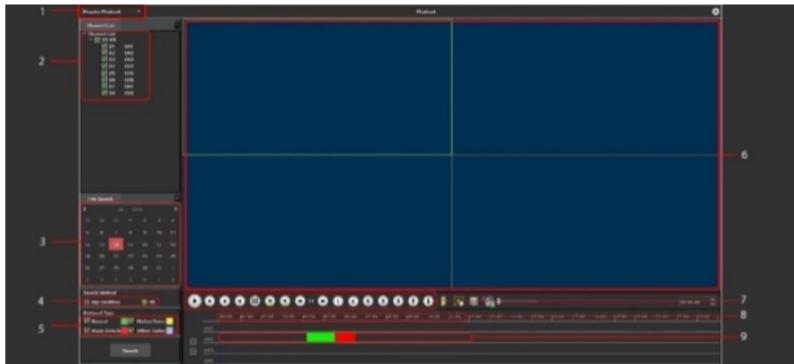
**[Pattern]** Set the pattern line and click on the round icon to enable the pattern function.

**[Scan]** Set the scan line click on the round icon to enable the scan function.



## 2.7 Playback

Click on [Start] → [Playback] → [Search] to start playback operations.



**Note:** The HDD must be R/W HDD or Read HDD. Files available for playback are kept in HDDs.

Index	Type	Descriptions
1	Playback Mode	Regular Playback/ Image Playback/ USB Playback.
2	Select Channels	Choose the channels for querying.
3	Time Range	Select the date you want to search for videos.
4	Search Mode	Any retrieval type or all retrieval types.
5	Search Filter	Normal/ Motion Detection/ Alarm Detection/ Offline Detection, etc.
6	Play Window	Videos could be played back and displayed here and sorted by channels.
7	Playback Control	Full-screen/ Loop/ Stop/ Play/ Pause/ Fast/ Slow/ Back/ Previous Frame/ Next Frame/ Channel Layout.
8	Timeline	Display time points during playback of the video.
9	Video Events	Display alarm events of every channel by different colors.

## 2.8 Network

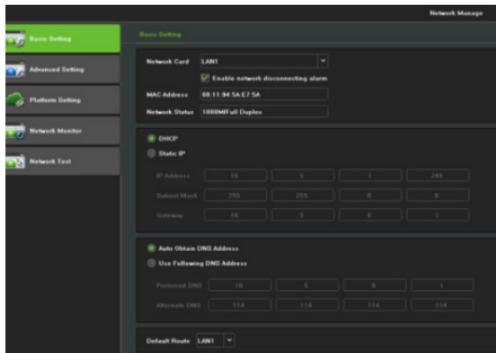
### 2.8.1 Network Settings

Click [Start] → [Menu] → [Network Manage] → [Basic Settings] to set the network:

**[IP Address]** The default IP address is 192.168.1.86.

**[DHCP]** Enable the DHCP to obtain an IP address automatically. If it is enabled, the device will search for a DHCP server, and then assigned a dynamic IP address. The dynamic IP address will be displayed in the menu. Enter a static IP address if there is no DHCP service. If you are using the advanced feature

PPPOE, you are unable to change the IP/mask/gateway and DHCP.



### 2.8.2 WEB Access

Check whether the DVR access to the network by checking the network LED on the front panel. When the light is lit, the device is connected to the network; otherwise, there is no connection.

Open a browser and type the IP address of the DVR and the HTTP port in the browser's address bar.

For instance:

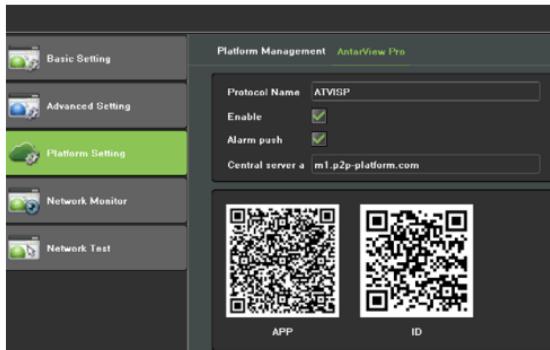
If the device's IP address is 192.168.1.88 and the HTTP port is 80, then you should type <http://192.168.1.88> in the address bar.

If the device's IP address is 192.168.1.88 and the HTTP port is 90, then you should type <http://192.168.1.88:90> in the address bar.

### 2.8.3 Client Access

#### Mobile Phone Application Access

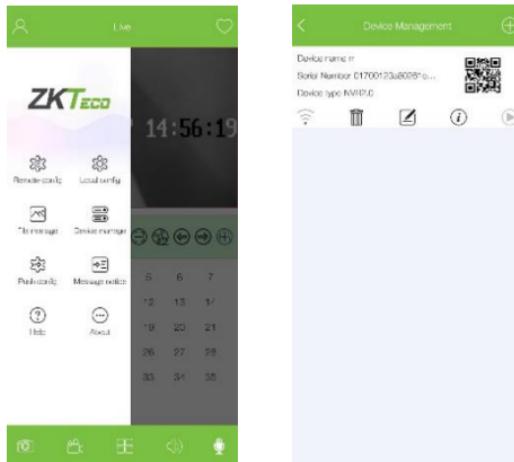
1. Click on [Start] → [Menu] → [Network Manage] → [Basic Setting] → [Platform Setting] → [AntarView Pro] and enable this function.



2. Scan the QR code for “APP” to download and install the application on your smart phone.

**Note:** Support both Android and IOS system.

3. Run the application, then go to the “Device Management” interface and press the button ‘+’to add a new device.



## PC Application Access

1. Install CMS on your computer.
2. Enter **[Resource Management] → [Device Manage]** to search, add, delete, modify network devices. Input the device's name, port, IP address, account and password to manually add a device.

## Statement

- This manual only describes basic operations of the product. For more details, please refer to the main manual on the CD accompanying the attachments.
- All matters or disputes about the product descriptions shall be subject to the final interpretation of the company.
- This document is intended to allow users to quickly refer to information about certain DVR models and does not list specific operations of each product. If you encounter any difficulties, please contact us.

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