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ORANGE

Quick Start Guide

Version 2.01

Introduction

Welcome

Thank you for purchasing our Digital Video Recorder (without HDD).

This Quick Start Guide (hereinafter referred to be "the Guide") will help you become familiar with our DVR (WITHOUT HDD) in a short time.

Please read the Guide carefully before starting to use your DVR (WITHOUT HDD) and properly keep it for future reference.

Important Safeguards and Warnings

- To secure your device, it is strongly recommended to create a strong password and change it periodically, especially in the high security system.
- All installation and operations herein should conform to your local electrical safety codes. We assume no liability or responsibility for all the fires or electrical shock caused by improper handling or installation.
- Improper battery use might result in fire, explosion, or personal injury.
- When replacing the battery, make sure the same model is used.
- We assume no liability or responsibility for any problems caused by unauthorized modifications or attempted repair.
- Use a power supply that meets the requirements for SELV (Safety Extra Low Voltage) and complies with Limited Power Source according to IEC 60950-1. Refer to the device label for detailed information.
- Heavy stress, violent vibration or water splash are not allowed during transportation, storage and installation.
- Keep upwards. Handle with care.
- Do not apply power to the DVR (WITHOUT HDD) before completing installation.
- Do not place objects on the DVR (WITHOUT HDD).
- All the examination and repair work should be done by the qualified service engineers.
- We are not liable for any problems caused by unauthorized modifications or attempted repair.
- The DVR (WITHOUT HDD) should be installed in a cool, dry place away from direct sunlight, inflammable, explosive substances etc.
- Be sure to use all the accessories recommended by the manufacturer.
- Before installation, please open the package and check all the components are included:
- Contact your local retailer ASAP if something is missing in your package.

Safety Icons

The following categorized signal words with defined meaning might appear in the Guide.

Signal Words	Meaning
⚠ CAUTION	Indicates a potential risk which, if not avoided, may result in property damage, data loss, lower performance, or unpredictable result.
📖 NOTE	Provides additional information as the emphasis and supplement to the text.

About this Guide

- The Guide is a general document for introducing the product, so there might be some functions described for DVR (WITHOUT HDD) in the Guide does not apply to the model you purchased, or the interfaces might be different, or the operations might be different, and in these cases the actual product shall govern.
- All the designs and software are subject to change without prior written notice.
- All trademarks and registered trademarks mentioned herein are the properties of their respective owners.
- Any loss caused by not complying with the operations described in the Guide should be borne by the user.
- Upgrade the reader software or try other mainstream reader software if the Guide (in PDF format) cannot be opened.
- There still might be deviation in technical data, functions and operations description, or errors in print. If there is any doubt or dispute, please refer to our final explanation.
- Please visit our website or contact your local service engineer for more information.

Table of Contents

1 Quick Start

1.1 Unpacking the Accessories

Figure 1-1

1.2 Checking the Components

When you receive the DVR (WITHOUT HDD) (Without HDD), please check against the following checking list. If any of the items are missing or damaged, contact the local retailer or after-sales engineer immediately.

Sequence	Checking items		Requirement
1	Package	Appearance	No obvious damage.
		Packing materials	No broken or distorted positions that could be caused by hit.
2	Labels	Labels on the device	Not torn up. 📖 NOTE Do not tear up or throw away the labels; otherwise the warranty services are not ensured. You need to provide the serial number of the product when calling the after-sales service.
3	Device	Appearance	No obvious damage.
		Data cables, power cables, fan cables, and mainboard	No loose connection.

1.3 Installing Hard Disk Drive (HDD)

 NOTE

● Please use the recommended HDD from the manufacturer.
● Shut down the DVR (WITHOUT HDD) and unplug the power cable before opening the cover to replace the HDD.
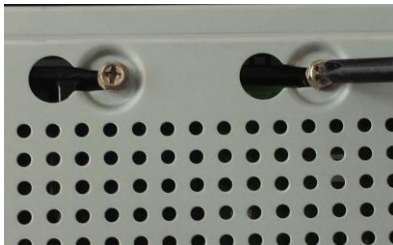

1. Remove the screws to take off the cover.

2. Fix the screws on the HDD but do not fasten them.

3. Put the HDD onto the DVR (WITHOUT HDD).

4. Turn the DVR (WITHOUT HDD) to see the back side of it. Aim the screws of the HDD at the holes on the back of the DVR (WITHOUT HDD), and then fasten the screws.

5. Use the HDD cable and power cable to connect HDD and mainboard.

6. Put back the cover and fasten the screws.

1.4 Booting up

 CAUTION

Ensure the input voltage corresponds to the power requirement of the DVR (WITHOUT HDD).

Step 1   Connect the DVR (WITHOUT HDD) to a display.

Step 2   Plug in the power cable to the DVR (WITHOUT HDD).

Step 3   Press the power button to turn on the DVR (WITHOUT HDD). The power indicator glows. On the connected display, the live view screen is displayed.

2 General Details of Product

2.1 Font Panel

2.1.1 Mini 1U (Without HDD):

The following Figure 2-1 shows the Front panel of Smart 1U model with 8 video input ports (as an example).

Figure 2-1

Please refer to the Table 2-1 for detailed information.

SN	Name	Function
1	HDD status indictor light	The red light becomes on when HDD is abnormal.
2	Power indicator light	The red light becomes on when the power connection is OK.
3	Network status indicator light	The red light becomes on when the network connection is abnormal.
4	USB2.0 port	Connect to USB storage device, mouse

Table 2-1

2.1.2 Compact 1U (Without HDD)

2.1.2.1 Type1

The following Figure 2-2 shows the Front panel of Compact 1U Type1 model (as an example).

Figure 2-2

Please refer to the Table 2-2 for detailed information.

SN	Name	Function
1	HDD status indictor light	The red light becomes on when HDD is abnormal.
2	Power indicator light	The red light becomes on when the power connection is OK.
3	Network status indicator light	The red light becomes on when the network connection is abnormal.
4	USB2.0 port	Connect to USB storage device, mouse

Table 2-2

2.1.2.2 Type 2

The following Figure 2-3 shows the Front panel of Compact 1U Type2 model (as an example).

Figure 2-3

2.1.2.3 Type 3

The following Figure 2-4 shows the Front panel of Compact 1U Type3 model (as an example).

Figure 2-4

2.1.3 1U (WITHOUT HDD)

The following Figure 2-5 shows the Front panel of 1U model (as an example).

Figure 2-5

Please refer to the Table 2-3 for detailed information about all types.

Name	Icon	Function
Power button	⏻	Power button, press this button for three seconds to boot up or shut down DVR (WITHOUT HDD).
Channel	1-16	Show the channel with recording enabled
USB port	⟜	To connect USB storage device, USB mouse.
Network abnormal indication	Net	Network error occurs or there is no network connection, the light becomes red to alert you.
HDD status indictor light	HDD	HDD error occurs or HDD capacity is below specified thresholdvalue, the light becomes red to alert you.
IR Receiver	IR	It is to receive the signal from the remote control.

Table 2-3

2.1.4 1.5 U

The following Figure 2-6 shows the Front panel of Compact 1.5U model (as an example).

Figure 2-6

Please refer to the Table 2-4 for detailed information.

Name	Icon	Function
Power button	⏻	Power button, press this button for three seconds to boot up or shut down DVR (WITHOUT HDD).
Channel	1-16	Show the channel with recording enabled
USB port	⟜	To connect USB storage device, USB mouse.
Network abnormal indication	Net	Network error occurs or there is no network connection, the light becomes red to alert you.
HDD status indictor light	HDD	HDD error occurs or HDD capacity is below specified threshold value, the light becomes red to alert you.
IR Receiver	IR	It is to receive the signal from the remote control.

Table 2-4

2.1.5 1.6 2U (Without HDD)

The following Figure 2-7 shows the Rear panel of Smart 2U model (as an example).

Figure 2-7

Please refer to the Table 2-5 for detailed information

Name	Icon	Function
Power button		Power button, press this button for three seconds to boot up orshut down DVR (WITHOUT HDD).
Channel	1-16	Show the channel with recording enabled
USB port		To connect USB storage device, USB mouse.
Network abnormal indication	Net	Network error occurs or there is no network connection, the light becomes red to alert you.
HDD abnormal indication light	HDD	HDD error occurs or HDD capacity is below specified thresholdvalue, the light becomes red to alert you.
IR Receiver	IR	It is to receive the signal from the remote control.

Table 2-5

2.2 Rear Panel

2.2.1 Compact 1U:

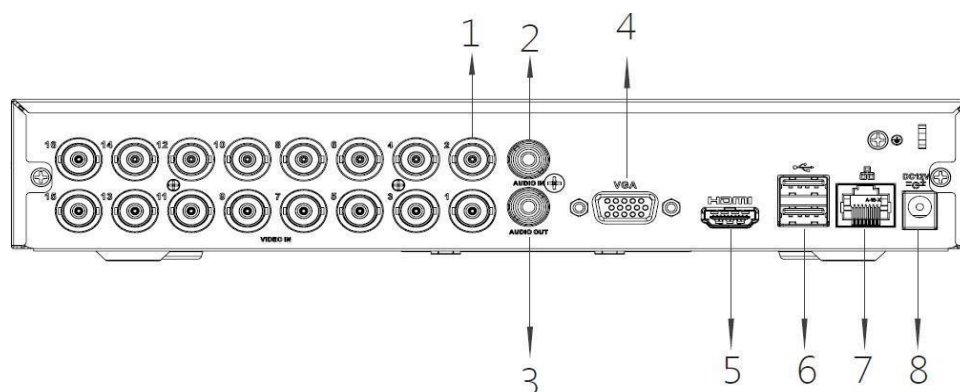The following Figure 2-8 shows the Rear panel of Smart 1U model (as an example).

Figure 2-8

Please refer to the Table 2-6 for detailed information.

SN	Icon	Name	Note
1	VIDEO IN	Video input port	Connect to analog camera, video input signal.
2	AUDIO IN	Audio input port	Connect to audio input device such as speaker.
3	AUDIO OUT	Audio output port	Connect to video output device such as sound box.
4	HDMI	High-definitionmedia interface	High-definition audio and video signal output port. It transmits uncompressed high-definition video and multiple-channel data to the HDMI port of the display device.
5		Network port	100M Ethernet port
6		USB2.0 port	Connect to USB storage device, mouse, burning DVD-ROM and etc.
7	DC 12V	Power input port	Input 12V DC.
8	VGA	VGA video output Port	VGA video output port. Output analog video signal. Can connect tothe monitor to view ananlog video output.

Table 2-6

2.2.2 1 U.

The following Figure 2-9 shows the rear panel of Compact 1U model with 8 video input ports (as an example).
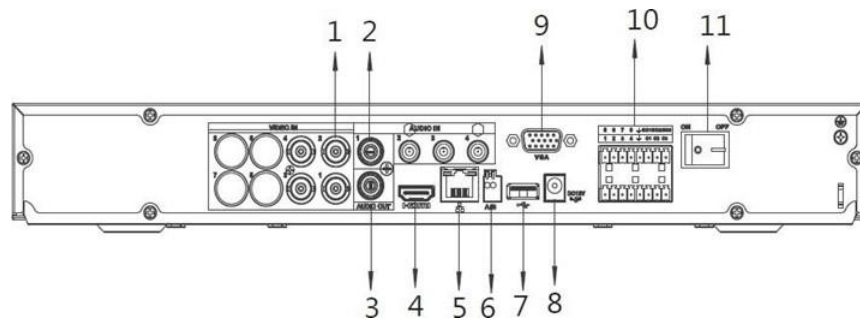

Figure 2-9

Please refer to the Table 2-7 for detailed information.

SN	Icon	Name	Note
1	VIDEO IN	Audio Input Port	Connect to analog camera, video input signal.
2	AUDIO IN	Audio Input Port	Connect to audio input device such as speaker.
3	AUDIO OUT	Audio output port	Connect to video output device such as sound box.
4	HDMI	High- definition Media Interface	High-definition audio and video signal output port. It transmits uncompressed high-definition video and multiple-channel data to the HDMI port of the display. device.
5		Network port	100M Ethernet port
6	A	RS485 （RS-485 ） communicateon port	RS485_A port. It is the cable A. You can connect to the control devices such as speed dome PTZ.
	B		RS485_B.It is the cable B. You can connect to thecontrol devices such as speed dome PTZ.
7		USB2.0 port	Connect to USB storage device, mouse, burning DVD-ROM etc.
8	DC 12V	Power IN	Input 12V DC.
9	VGA	VGA videooutput port	VGA video output port. Output analog video signal. Can connect to the monitor to view analog video output.
	1 8(16)	Alarm inputport 1 ～8(16)	● There are two types; NO (normal open)/NC (normal close). ● When your alarm input device is using external

Table 2-7

2.2.3 1.5 U DVR (WITHOUT HDD)

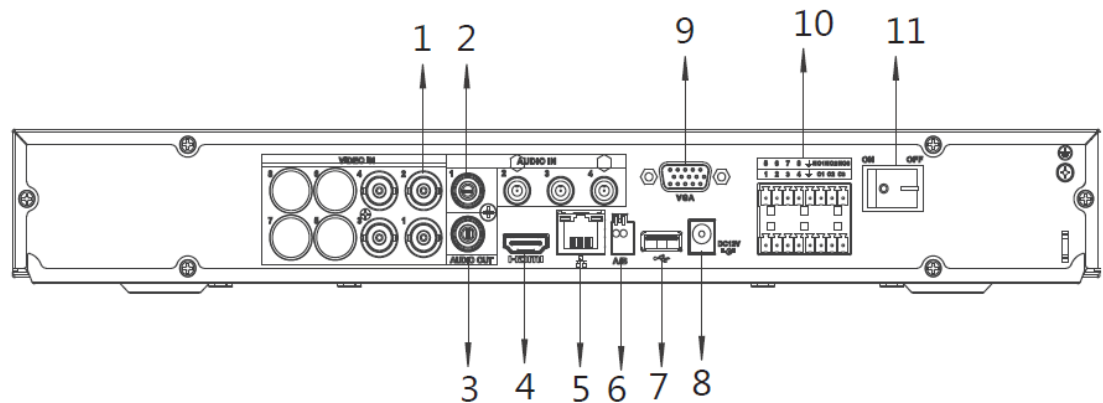The following Figure 2-10 shows the Rear panel of 1 U model (as an example).

Figure 2-10

Please refer to the Table 2-8 for detailed information.

No.	Port Name	Function
1	GND	Ground.
2	Power input port	Inputs power.
3	Power button	Turns on/off the Device.
4	Audio input port	Receives the analog audio signal output from the devices such as microphone.
5	Audio input port (MIC IN)	Two-way talk input port which receives the analog audio signal output from the devices such as microphone, pickup.
6	Audio output port (MIC OUT)	Two-way talk output port which outputs the analog audio signalto the devices such as the sound box.
7	Audio output port	Outputs the analog audio signal to the devices such as the sound box.
8	Video output port	Connect to video output devices such as TV.

Table 2-8

2.2.4 2U

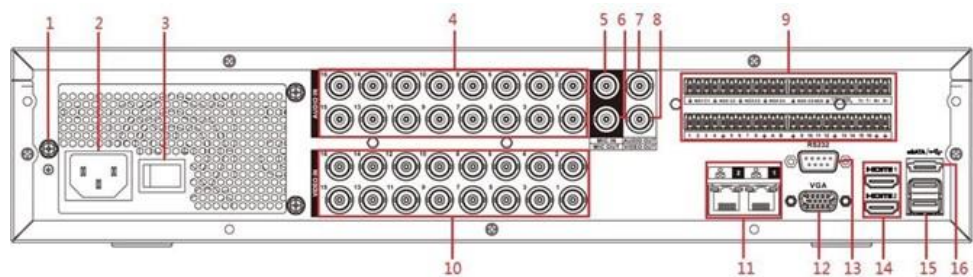The following Figure 2-11 shows the Rear panel of Mini 2U model (as an example).

Figure 2-11

Please refer to the Table 2-9 for detailed information.

No.	Port Name	Function
1	GND	Ground.
2	Power input port	Inputs power.
3	Power button	Turns on/off the Device.
4	Audio input port	Receives the analog audio signal output from the devices such as microphone.
5	Audio input port (MIC IN)	Two-way talk input port which receives the analog audio signal output from the devices such as microphone, pickup.
6	Audio output port (MIC OUT)	Two-way talk output port which outputs the analog audio signal to the devices such as the sound box.
7	Audio output port	Outputs the analog audio signal to the devices such as the sound box.
8	Video output port	Connect to video output devices such as TV.
9	Alarm input port 1–16	Four groups of alarm output ports (Group 1: port 1 to port 4; Group 2: port 5 to port 8; Group 3: port 9 to port 12; Group 4: port 13 to port 16). These ports receive the signal from the external alarm source. There are two types; NO (Normally Open) and NC (Normally Closed). When your alarm input device is using external power, please make sure the device and the NVR have the same ground.
	Alarm output port 1–5 (NO1–NO5; C1–C5; NC5)	Five groups of alarm output ports. (Group 1: port NO1–C1, Group 2: port NO2–C2, Group 3: port NO3–C3, Group 4： port NO4–C4, Group 5: port NO5, C5, NC5). These ports output alarm signal to the alarm device. Please make sure power supply to the external alarm device. NO: Normally open alarm output port. C: Alarm output public end. NC: Normally closed alarm output port.
	RS-485 communication port Four-wire full- duplex RS-485 port (T+, T-, R+,R-)	You can connect to the control devices such as speed dome PTZ. RS-485_A port is connected by the cable A and RS- 485_B is connected to the cable B. Four-wire full-duplex 485 port. T+ and T- is the output wire; R+ and R- is the input wire.
	Control power output (CTRL 12V) 12V power output port	Provides power to external devices such as camera and alarm device. Please note the supplying power shall be below 1A.
	⏚	Ground.
10	Video input port	Connect to analog camera to input video signal.
11	Network port	Connects to Ethernet port.
12	VGA video output	Outputs analog video signal. It can connect to the monitor to view analog video.
13	RS-232 debug COM	It is for general COM debug to configure IP address or transfer transparent COM data.

14	HDMI port	High definition audio and video signal output port. It outputs the same video source as VGA. It supports 4K resolution output and supports mouse operation and control. Please note when the HDMI output resolution is 4K, the VGA output stops.
15	USB	USB port
16	eSATA port	External SATA port which connects to the device with SATA port. Perform the jumper configuration when connecting HDD.

Table 2-9

2.3 Connection Sample

2.3.1 1U DVR (WITHOUT HDD)

Please refer to Figure 2-12 for connection sample
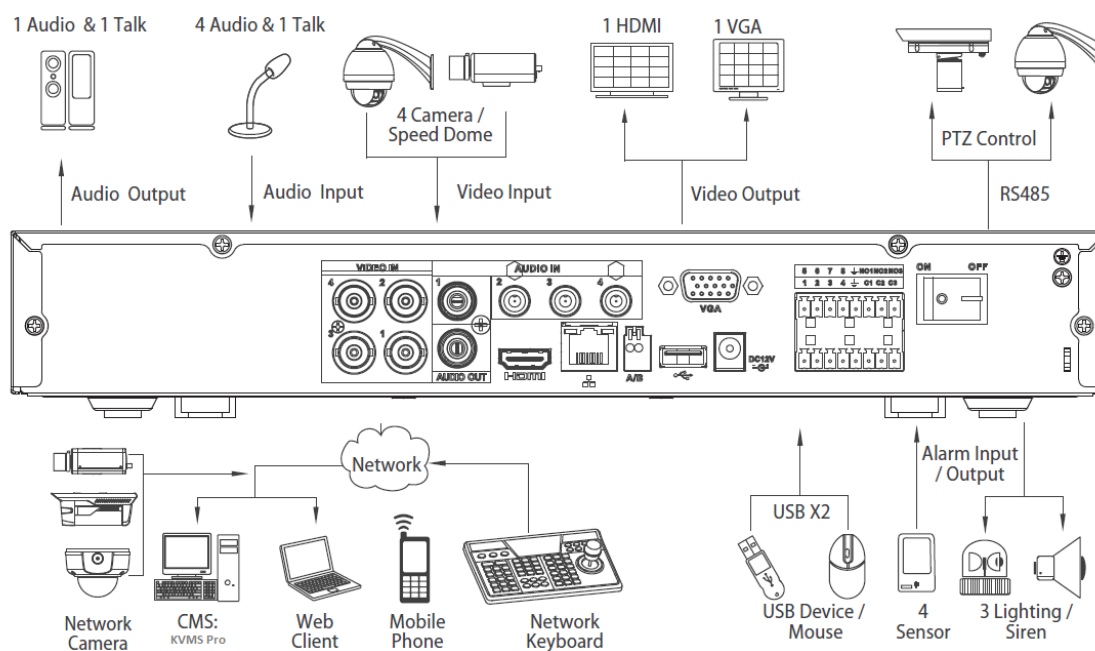
Figure 2-12

3 Local Configurations

NOTE

- The interfaces in the Guide are used for introducing the operations and only for reference. The actual product shall govern.
- For details about operations of the DVR (WITHOUT HDD), see *User's Manual*.
- To enter the Main Menu, right-click on the live view screen to display the shortcut menu, and then click **Main Menu** and login the system.

3.1 Initializing DVR (WITHOUT HDD)

When booting up for the first time, the **Device Initialization** interface is displayed, see Figure 3-1. You need to configure the password information for the **admin** (by default). If needed, you can also configure the unlock pattern and password protection mode (see Table 3-1).

NOTE

- The new password can be set from 8 characters through 32 characters and contains at least two types from number, letter and special characters (excluding"'", """, ";", ":" and "&"). Please enter a strong password according to the password strength bar indication.
- To secure your DVR (WITHOUT HDD), it is strongly recommended to properly keep the password for admin and modify it periodically.

Figure 3-1

Password Protection Mode	Description
Email Address	In the **Email Address** box, enter an email address for password reset. In case you forgot password, enter the security code that you will get from this reserved email address to reset the password of admin.
Security Questions	Configure the security questions and answers. In case you forgot password, enter the answers to the questions can make you reset the password.

📖 NOTE

If you want to configure the email or security questions fucntion later or you want to change the configurations, select **Main Menu → Account → User**.

Table 3-1

3.2 Configuring Recording Storage Schedule

Select **Main Menu → Storage → Schedule → Record**, the **Record** interface is displayed, see Figure 3-2.

The default setting is 24 hours recording for all channels. You can modify the settings if needed.
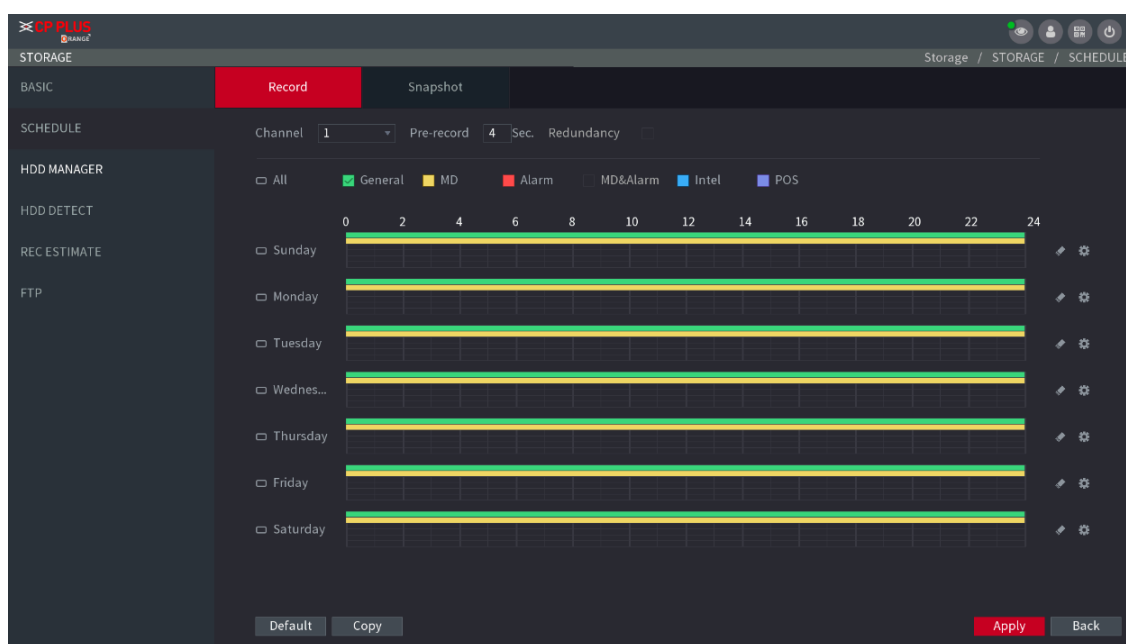

Figure 3-2

3.3 Playing Recorded Video

Select **Main Menu → Video**, the video search interface is displayed. See Figure 3-3. You can view, search, and play back the recorded video.

Figure 3-3

3.4 Configuring InstaOn Settings

You can add the DVR (WITHOUT HDD) into your cell phone client or the platform to manage. For details, please refer to the InstaOn Cloud operation manual.

📖 NOTE

Make sure the DVR (WITHOUT HDD) is connected into the Internet, and if yes, in the **Status** box of the InstaOn Cloud interface, it shows **Online**.

3.4.1 Entering InstaOn Interface

Step 1 Select **Main Menu → Network → InstaOn**, the **InstaOn Cloud** interface is displayed. See Figure 3-4.
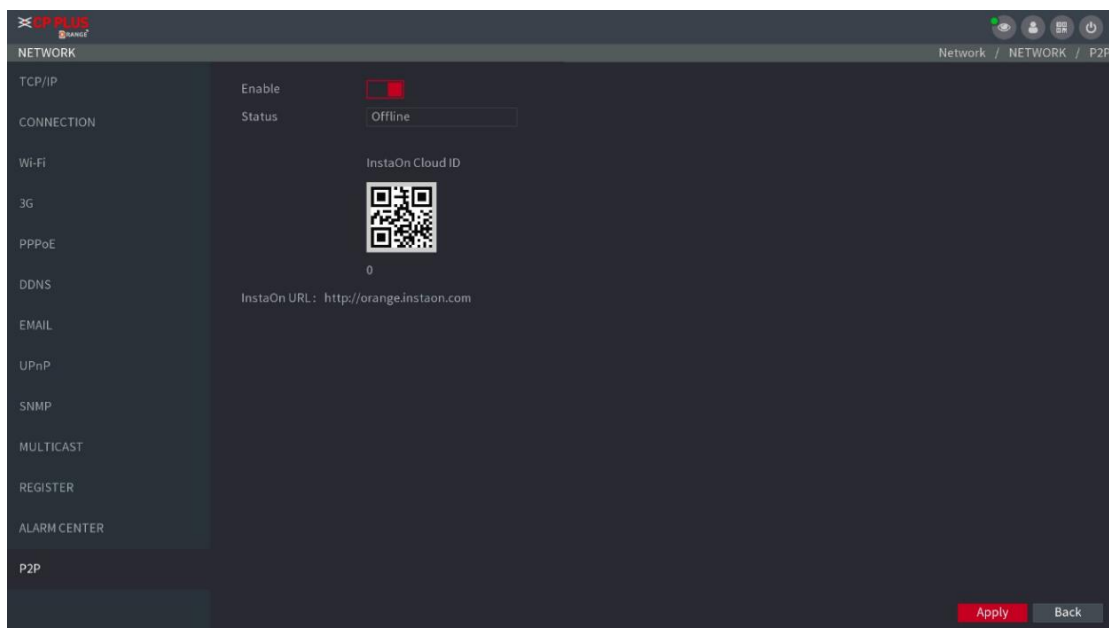

Figure 3-4

Step 2 Enable the InstaOn function.

Step 3   Click **Apply**. You can start adding the DVR (WITHOUT HDD) into Cell Phone Client or the
platform.

3.4.2 Adding DVR (WITHOUT HDD) into Cell Phone Client

To use InstaOn function, take adding wired device into Cell Phone Client as an example.

Step 1   Use your cell phone to scan the QR code under **Cell Phone Client** to download the application.

Step 2   Open the application and tap ![icon], the menu is displayed.

Step 3   Tap **Device Manager** ➔ ![icon] ➔**Add Device**, the **Add Device** interface is displayed. See Figure
3-6.

Step 4   Tap **InstaOn**, enter a name for the DVR (WITHOUT HDD), the username and password, scan
the QR code under **Device SN**, and then tap **Start Live Preview**. The DVR (WITHOUT HDD) is
added and displayed on the live view interface of the cell phone. See Figure 3-7.
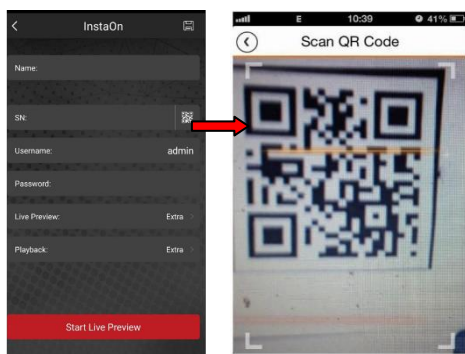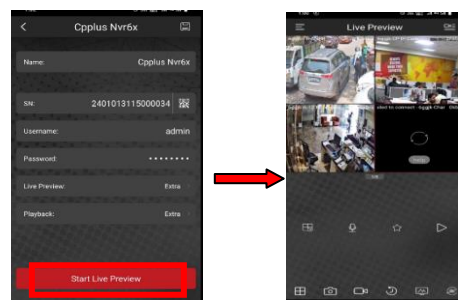

Figure 3-6   Figure 3-7

3.5 Logout

On the top right of the Main Menu interface or any interface after you have entered the Main Menu,

click ![icon].

- Select **Logout**, you will log out the DVR (WITHOUT HDD).
- Select **Reboot**, the DVR (WITHOUT HDD) will be rebooted.
- Select **Shutdown**, the DVR (WITHOUT HDD) will be turned off.

You can also press the power button on the DVR (WITHOUT HDD) to turn it off.

4 Web Login

Open the browser, enter the IP address of the DVR (WITHOUT HDD) (by default: 192.168.1.240), and then press **Enter** key. The **Login in** dialog box is displayed. See Figure 4-1. Properly enter the user name and password to login the web. For details, see *User's Manual*.
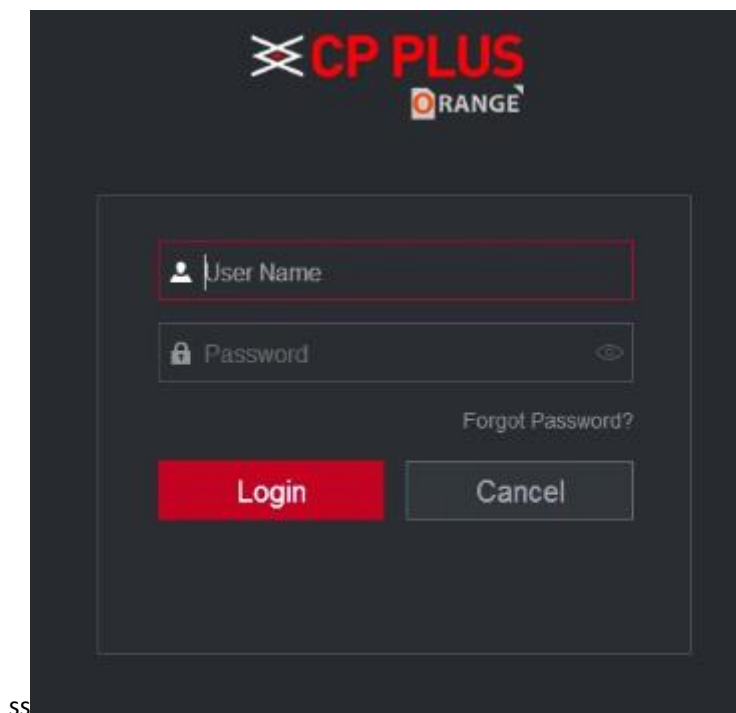

Figure 4-1

📖 NOTE

- Device initialization is required at the first login.
- The default administrator account is **admin**. The password is the one that was configured during initializing settings. To security your account, it is recommended to keep the password properly and change it periodically.
- You can select the protocol type as **TCP**, **UDP**, or **MULTICAST** depending on the networking structure. The default is **TCP**.
- If you forgot the password, click **Forgot Password?** to reset the password.
- When entering the **Live** interface for the first time, follow the onscreen instructions "Please install plugins first!" to install the plugins.

Thank You for Choosing CP Plus !