

Quick Start Guide

8000 Series Network Video Recorder

Version: 1.0

Date: October 2018

SAFETY PRECAUTIONS

These instructions are intended to ensure that users use the device correctly to avoid danger or property damage.

Relevant precaution measures are divided into "Warnings" and "Cautions".

Warnings: Serious injury or death may occur if any of the warnings are neglected.

Cautions: Injury or equipment damage may occur if any of the cautions are neglected.

Warnings:

- Proper configuration of all passwords and other security settings are necessary to allow the device works well. For details, please refer to the technical specifications.
- When using the device, you must strictly comply with your national and regional electrical safety regulations. Please refer to technical specifications for detailed information.
- Do not connect several devices to one power adapter. Overloading may cause over-heating or a fire hazard.
- Please make sure that the plug is firmly connected to the power socket.
- If there is smoke, odor or noise from the device, turn off the power at once and unplug the power cable, then contact the service center.

Preventive and Cautionary Tips

Before installing and operating your device, please be aware of the following tips:

- Ensure the device is installed in a well-ventilated and dust-free environment.
- The device is designed for indoor use only.
- Keep all liquids away from the device.
- Ensure environmental conditions meet factory specifications.
- Ensure the device is properly secured to a rack or shelf. Major shocks or jolts to the unit may cause damages to the sensitive electronics within the unit.
- Use the device with an uninterruptible power source (UPS) if possible.
- Turn on the device before connecting and disconnecting accessories and peripherals.
- It is recommended to use HDD for this device.
- Improper use or replacement of the battery may result in fire, explosion, or personal injury. Replace the battery with the same or equivalent type only. Please dispose the used battery according to the instructions provided by the battery manufacturer.

INSTALLATION OF THE HARD DISK

Disconnect the power from the NVR before you open the case to install or replace a hard disk drive (HDD). It is recommended to use officially authorized HDD for device installation.



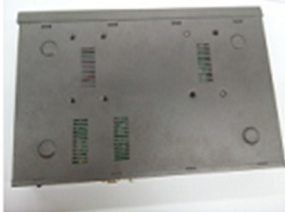
Step 1: Loosen the screws of the upper cover and side panel.



Step 2: Fix four screws in the HDD.



Step 3: Install the HDD in the HDD rack using the provided screws.



Step 4: Turn to the bottom of the device and fasten the screws to fix the HDD.



Step 5: Fix the HDD.



Step 6: Connect the power cable and SATA cable. Then install the cover again.

FRONT PANEL SETUP

Indicator	Name	Function
NET	Network Status Indicator	NET LED is normally green, indicating that the network connection is normal.
PWR	Power Status Indicator	PWR LED is normally green, indicating that the device is functioning properly.
HDD	Hard Drive Status Indicator	HDD LED is normally green, indicating that the device is functioning properly.
USB	USB Interface	Universal Serial Bus (USB) ports for additional devices such as a USB mouse and a USB Hard Disk Drive (HDD).

LOCALSYSTEM LOGIN

STARTING UP:

Proper starting up and shut down procedures are crucial to expanding the life of the NVR.

Please make sure the power adapter is compatible with the NVR and make sure the NVR is connected to ground. Before starting up, please make sure the NVR is connected to ground. Before starting up, please make sure the monitor is connected to the HDMI or VGA interface.

If the front panel power indicator is not green, please connect the device to the power adapter. After starting up, the power indicator is normally lit. The starting up picture will appear on the monitor.

Notes: If the NVR is equipped with power on/off switch, after connecting the device to the power adapter, the power on/off switch on the rear panel should also be turned on.

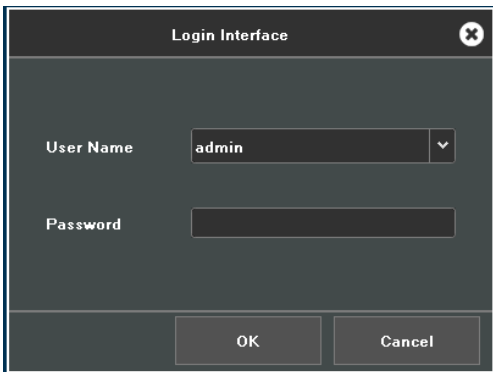
Cautions: If the device shuts down while the power on/off switch on the rear panel is on, you should disconnect the power cable, then investigate the cause or ask technical support for help.

Step 1: Preparation

1. Connect the NVR properly with the monitor, mouse, cable and power adapter.
2. Connect the camera (IPC) to the NVR. Please note that the NVR and IPC should use the same IP segment address.
3. NVR must be compatible with the IPC. When the NVR supports 3840*2160+720*576 resolution, then the IPC is connected to NVR, its main stream must be 4K or below; the sub stream of the IPC must be D1 or below.

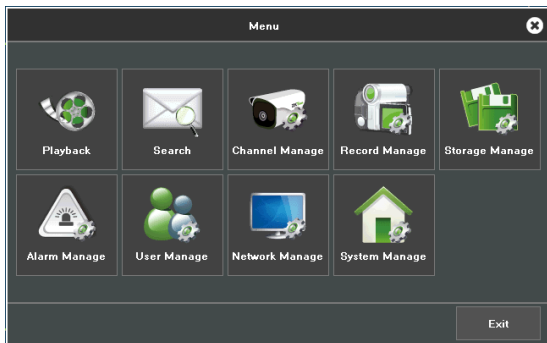
Step 2: Access of the login interface

Click on the "Start" icon, click on "Login", then enter the username and password to login in. The default user name is "admin"; and the default password is "123456".



The screenshot shows a dark-themed dialog box titled "Login Interface" with a close button (X) in the top right corner. It contains two input fields: "User Name" with a dropdown menu showing "admin" and a small downward arrow, and "Password" with an empty text box. At the bottom, there are two buttons: "OK" and "Cancel".

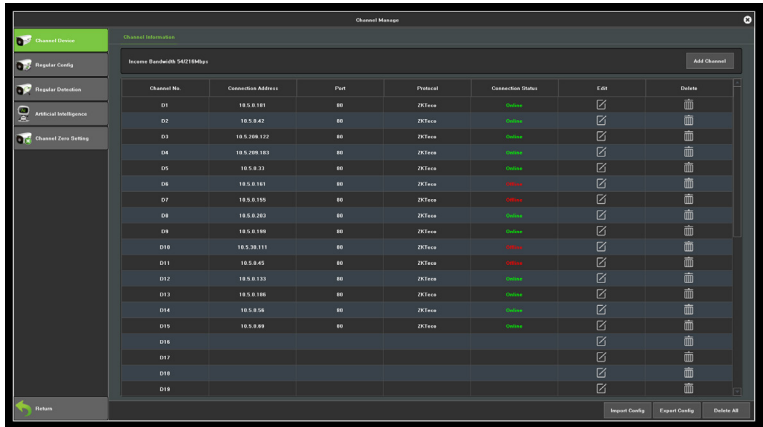
After logged in to the system, click on "Start" → "Menu", then the main menu will pop up.



Main Menu

Step3: Channel settings

Click on "Start" → "Menu" → "Channel Manage" to set channel.



The screenshot displays the 'Channel Manager' interface. On the left, there is a navigation menu with options: 'Channel Owner', 'Regular Config', 'Regular Definition', 'Artificial Intelligence', and 'Channel Zone Setting'. The main area is titled 'Channel Information' and shows 'Insecure Bandwidth: 54218Mbps'. Below this is a table with columns: 'Channel No.', 'Connection Address', 'Port', 'Protocol', 'Connection Status', 'Edit', and 'Delete'. The table lists 18 channels (D01 to D18) with their respective connection addresses and ports. The 'Connection Status' column shows 'Online' in green for most channels and 'Offline' in red for D06, D07, and D10. The 'Edit' and 'Delete' columns contain icons for editing and deleting each channel.

Channel No.	Connection Address	Port	Protocol	Connection Status	Edit	Delete
D01	10.5.8.181	80	ZK-Tcp	Online	<input type="checkbox"/>	
D02	10.5.8.42	80	ZK-Tcp	Online	<input type="checkbox"/>	
D03	10.5.200.222	80	ZK-Tcp	Online	<input type="checkbox"/>	
D04	10.5.200.183	80	ZK-Tcp	Online	<input type="checkbox"/>	
D05	10.5.8.33	80	ZK-Tcp	Online	<input type="checkbox"/>	
D06	10.5.8.181	80	ZK-Tcp	Offline	<input type="checkbox"/>	
D07	10.5.8.195	80	ZK-Tcp	Offline	<input type="checkbox"/>	
D08	10.5.8.283	80	ZK-Tcp	Online	<input type="checkbox"/>	
D09	10.5.8.189	80	ZK-Tcp	Online	<input type="checkbox"/>	
D10	10.5.20.111	80	ZK-Tcp	Offline	<input type="checkbox"/>	
D11	10.5.8.45	80	ZK-Tcp	Offline	<input type="checkbox"/>	
D12	10.5.8.133	80	ZK-Tcp	Online	<input type="checkbox"/>	
D13	10.5.8.186	80	ZK-Tcp	Online	<input type="checkbox"/>	
D14	10.5.8.56	80	ZK-Tcp	Online	<input type="checkbox"/>	
D15	10.5.8.89	80	ZK-Tcp	Online	<input type="checkbox"/>	
D16					<input type="checkbox"/>	
D17					<input type="checkbox"/>	
D18					<input type="checkbox"/>	
D18					<input type="checkbox"/>	

Channel Setting

Step 4: Device searching

Click "Add channel" → "Refresh" to search for the desired IP camera.

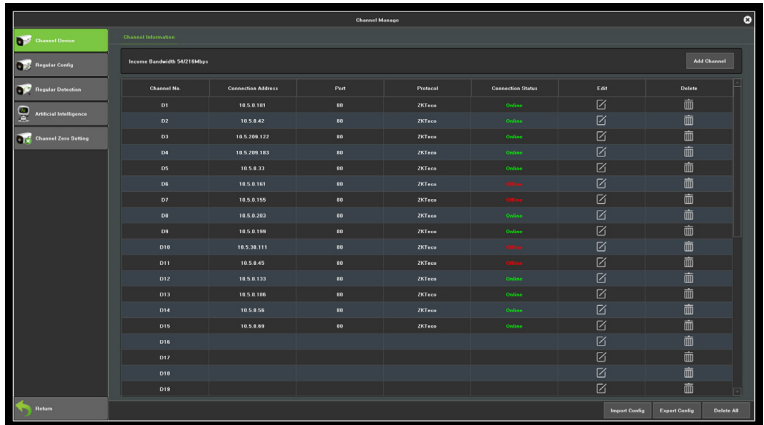
The screenshot displays the 'Channel Manager' application window. The main area is titled 'E-Add Channel' and contains a table of discovered devices. The table has columns for Status, Channel No., Address, Protocol, E-Add, OSD, Device Information, and Connections. A green bar highlights the row for the device at address 18.5.8.155. Below the table, there are three status indicators: 'Do not modify IP address', 'Forced to modify IP address', and 'Modify IP address in case of connecting failed'. The interface also includes a left sidebar with navigation options like 'Channel Overview', 'Regular Config', 'Regular Distribution', 'Artificial Intelligence', and 'Channel Zone Setting'. A right sidebar shows an 'Add Channel' button and a list of channels with trash icons. At the bottom, there are 'Return', 'OK', 'Cancel', 'Export Config', and 'Include All' buttons.

Status	Channel No.	Address	Protocol	E-Add	OSD	Device Information	Connections
<input checked="" type="checkbox"/>		18.5.8.122	Onvif	<input checked="" type="checkbox"/>		IPC	1
<input checked="" type="checkbox"/>		18.5.8.88	Onvif	<input checked="" type="checkbox"/>		IPC	1
<input checked="" type="checkbox"/>		18.5.8.186	Onvif	<input checked="" type="checkbox"/>		IPC	8
<input checked="" type="checkbox"/>		18.5.8.96	Onvif	<input checked="" type="checkbox"/>		IPC	1
<input checked="" type="checkbox"/>		18.5.8.182	Onvif	<input checked="" type="checkbox"/>		IPC	1
<input checked="" type="checkbox"/>		18.5.8.202	Onvif	<input checked="" type="checkbox"/>		IPC	8
<input checked="" type="checkbox"/>		18.5.8.155	Onvif	<input checked="" type="checkbox"/>		IPC	1
<input checked="" type="checkbox"/>		18.5.8.181	Onvif	<input checked="" type="checkbox"/>		IPC	1
<input checked="" type="checkbox"/>		18.5.288.183	Onvif	<input checked="" type="checkbox"/>		IPC	1
<input checked="" type="checkbox"/>		18.5.8.186	Onvif	<input checked="" type="checkbox"/>		IPC	2
<input checked="" type="checkbox"/>		182.168.1.188	ZKFace	<input checked="" type="checkbox"/>		8866817277876060V888	8
<input checked="" type="checkbox"/>	08	18.5.8.44	ZKFace	<input checked="" type="checkbox"/>		8888008182756766418	8
<input checked="" type="checkbox"/>	04	18.5.288.183	ZKFace	<input checked="" type="checkbox"/>		88288172876466582811	1
<input checked="" type="checkbox"/>	08	18.5.8.181	ZKFace	<input checked="" type="checkbox"/>		886681728699564648	1
<input checked="" type="checkbox"/>	08	18.5.8.155	ZKFace	<input checked="" type="checkbox"/>		886681722766884186	1

Device Searching

Step 5: Device adding

Click on "Stop", choose the checkboxes for the cameras you want to add and click on the "OK" button, then the system will add the cameras automatically.



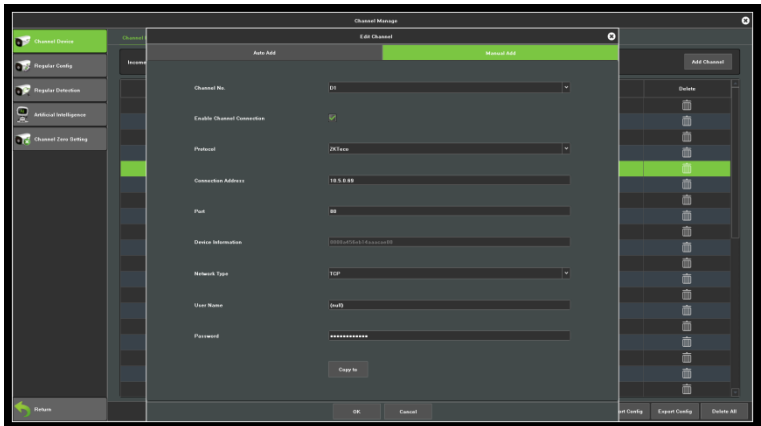
The screenshot displays the 'Channel Manager' interface. On the left, there is a navigation menu with options: Channel Overview (selected), Regular Config, Regular Distribution, Artificial Intelligence, and Channel Zone Setting. The main area shows a table titled 'Increase Bandwidth: 54219Mbps' with an 'Add Channel' button in the top right. The table has the following columns: Channel No., Connection Address, Port, Protocol, Connection Status, E-Box, and Delete. The table contains 18 rows of data, with the first 15 rows having connection information and the last three rows (D16, D17, D18) being empty. Each row has a checkbox in the 'E-Box' column and a trash icon in the 'Delete' column.

Channel No.	Connection Address	Port	Protocol	Connection Status	E-Box	Delete
D1	10.5.8.181	80	ZK7cam	Online	<input type="checkbox"/>	
D2	10.5.8.42	80	ZK7cam	Online	<input checked="" type="checkbox"/>	
D3	10.5.288.112	80	ZK7cam	Online	<input checked="" type="checkbox"/>	
D4	10.5.288.182	80	ZK7cam	Online	<input checked="" type="checkbox"/>	
D5	10.5.4.33	80	ZK7cam	Online	<input checked="" type="checkbox"/>	
D6	10.5.8.181	80	ZK7cam	Offline	<input checked="" type="checkbox"/>	
D7	10.5.8.195	80	ZK7cam	Offline	<input checked="" type="checkbox"/>	
D8	10.5.8.203	80	ZK7cam	Online	<input checked="" type="checkbox"/>	
D9	10.5.8.189	80	ZK7cam	Online	<input checked="" type="checkbox"/>	
D10	10.5.28.111	80	ZK7cam	Offline	<input checked="" type="checkbox"/>	
D11	10.5.8.45	80	ZK7cam	Offline	<input checked="" type="checkbox"/>	
D12	10.5.8.133	80	ZK7cam	Online	<input checked="" type="checkbox"/>	
D13	10.5.8.186	80	ZK7cam	Online	<input checked="" type="checkbox"/>	
D14	10.5.8.58	80	ZK7cam	Online	<input checked="" type="checkbox"/>	
D15	10.5.8.89	80	ZK7cam	Online	<input checked="" type="checkbox"/>	
D16					<input checked="" type="checkbox"/>	
D17					<input checked="" type="checkbox"/>	
D18					<input checked="" type="checkbox"/>	

Device Adding

Step 6: Checking connection status

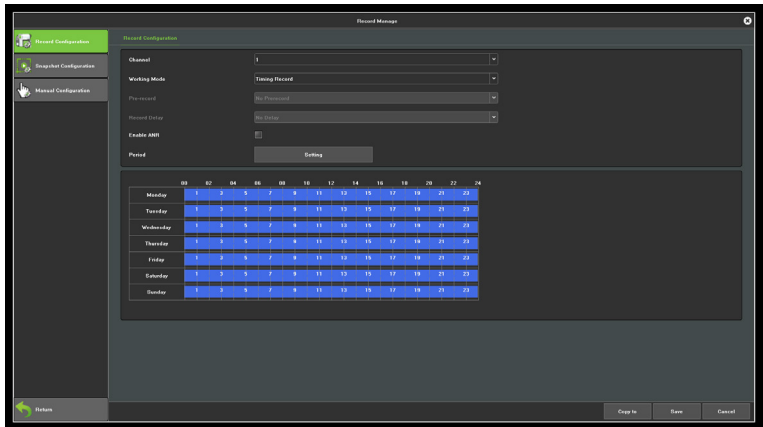
1. Port (port of the ONVIF protocol is “80” and that of the private protocol is subject to the rules of the specific protocol).
2. Protocol (if connection is abnormal under ONVIF, click on the “Edit” icon, enter the username and password and save the changes).
3. Connection status (online: green; offline: red).
4. Click on the “Delete” button to delete the IP camera of the current channel.



Connection Settings

Step 7: Record settings

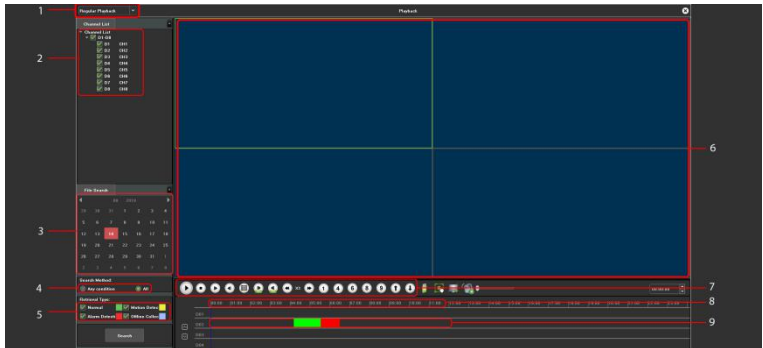
1. Click on "Start" → "Menu" → "Record Manage" to set the recording plan.
2. Configure recordings: a) select a recording channel; b) select a recording mode and recording period; c) click on "Save" (if the other channels require the same configuration, click on "Copy to" to replicate the settings to all channels); d) click on "Cancel" to return to the main menu.



Record Settings

Step 8: Record playback

1. Click on "Start" → "Menu" → "Playback" to enter the playback interface.
2. Playback of videos
 - a) Choose a playback mode from area 1 as shown in the picture below.
 - b) Choose a playback channel from area 2 as shown in the picture below.
 - c) Choose the record time and filter.
 - d) Click on the "Search" button to search for the required video(s). Choose the record time on the timeline, then double-click to start playback.



Record Playback

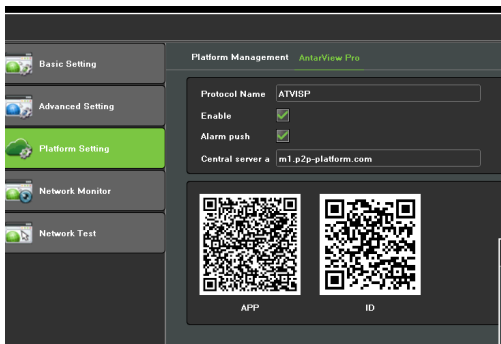
Step 9: Shutdown

Select "Start" → "Shutdown", enter the "Shutdown" page, and click on "OK".

REMOTE CONTROL

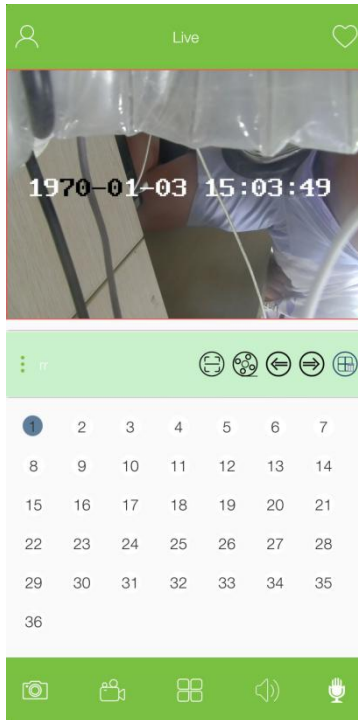
Mobile Application Access

1. Click on "Start" → "Menu" → "Network Manage" → "Platform Settings" → "AntarView Pro", scan the QR code for APP to download and install the application from Apple store or Google Play.



NVR-end Setting for APP

2. After installation, tap the icon to enter “Real-time Preview”, as shown in the figure below.

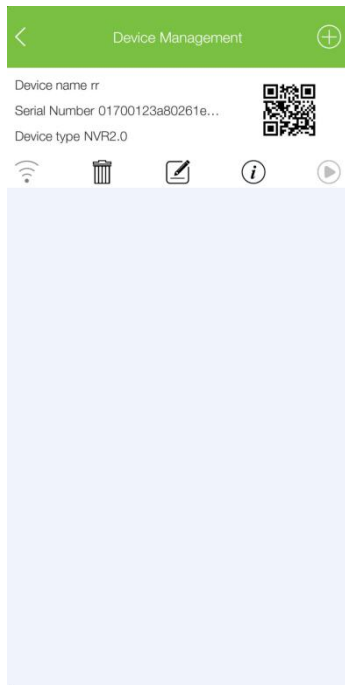


Real-time Preview

3. Add IPC: Swipe right to access the main menu and tap “Device Manage”, then tap the “+” button to add a new device.



Main Menu



Add Device

4. Input the NVR serial number or scan the NVR's QR code, input the device's name, username and password, then tap "Save" to complete the configuration.

The screenshot shows a mobile application interface for adding a device. The title bar is green with a white back arrow on the left and the text "Add device" in the center. Below the title bar are four input fields, each with a light gray background and a thin border. The first field is labeled "IP addr/Domain/Serial Num" and includes a location pin icon on the left, a downward arrow on the right, and a QR code icon on the far right. The second field is labeled "Device name" and has a document icon on the left. The third field is labeled "Username" and has a person icon on the left. The fourth field is labeled "Password" and has a key icon on the left. At the bottom of the screen is a large, rounded green button with the text "Save" in white.

NVR Information

PC Application Access

1. Install CMS application on your computer.
2. Click on "Device Management" to search, add, delete, modify network devices. Input the device's name, port, IP address, account and password to manually add the devices.

The screenshot displays the ZKTeco AntaVis 2.0 software interface. At the top, there is a navigation bar with 'Control panel' and 'Device management' tabs. The 'Device management' tab is active, showing a 'Device list' table. The table has columns for 'No.', 'SN', 'Device name', 'Device type', 'Protocol Type', 'IP address', 'State', and 'Operation'. Three devices are listed, all in an 'Online' state. Below the table, there is an 'Alarm' section with a table showing alarm events, including motion detection alerts from various IP cameras.

No.	SN	Device name	Device type	Protocol Type	IP address	State	Operation
1	0000000D664828F3443	IPC_192.168.130.10	IPC	HTTP-TCP	192.168.130.10	Online	Edit Delete Remove ds Edit Cl
2	08870002D7FC0002B99	IPC_192.168.130.228	IPC	HTTP-TCP	192.168.130.228	Online	Edit Delete Remove ds Edit Cl
3	0893D123AF94E327FD3B	NVR_192.168.130.250	NVR	HTTP-TCP	192.168.130.250	Online	Edit Delete Remove ds Edit Cl

Alarm Time	Alarm Type	Device Serial	Param	Alarm Source	Alarm State
2018-08-14 16:28:59	Motion detection	08870002D7FC0002B99	1	IPC_192.168.130.228-CH01	Stop Alarm
2018-08-14 16:28:46	Motion detection	08870002D7FC0002B99	1	IPC_192.168.130.228-CH01	Start Alarm
2018-08-14 16:28:38	Motion detection	08870002D7FC0002B99	1	IPC_192.168.130.228-CH01	Stop Alarm

CMS Device Management