

DC-D4511WERX, DC-D4531WERX Configuration Guide for IDIS NVR

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1 Introduction

This document will be explaining how to set up and register IDIS 5MP Turret Cameras DC-D4511WERX and DC-D4531WERX.

2 Network Setup

DC-D4511WERX and DC-D4531WERX require PC connections to set up cameras.

IDIS NVR has separated 2 networks (Video-In network, Network client (WAN network)).

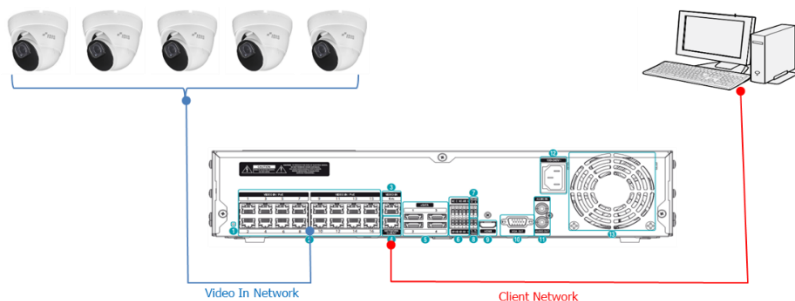
There are several possible connections.

a. Camera – PC connection

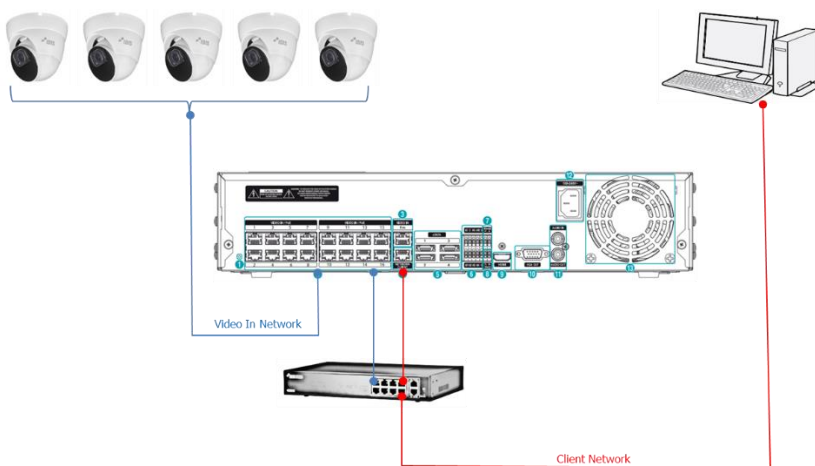
1) Proceed Camera configuration first.



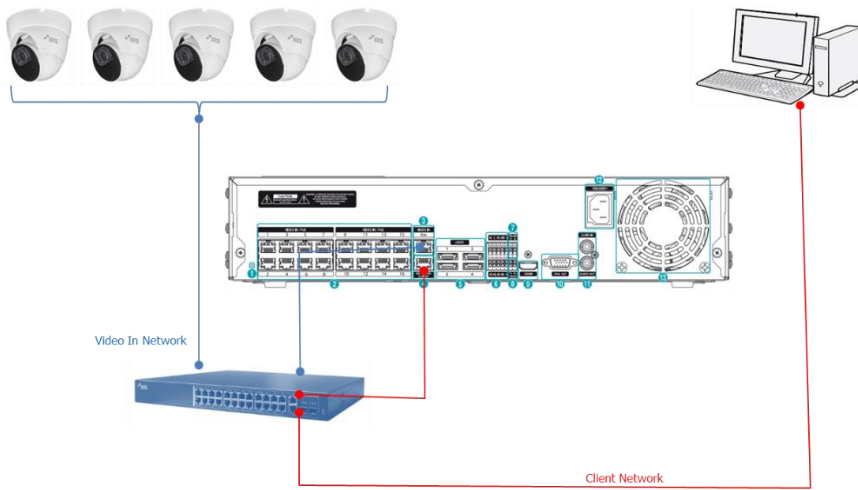
2) Register cameras to NVR



b. Camera – NVR connection(NVR PoE ports)



c. Camera – NVR connection (PoE switch)



3 Camera Basic Web Setup

In this chapter, basic camera web setup for IDIS Products will be explained.

Device Config Tool must be installed prior to this task. (Go to section 6.2 for more details about Device Config Tool.

3.1 Camera Password Setup

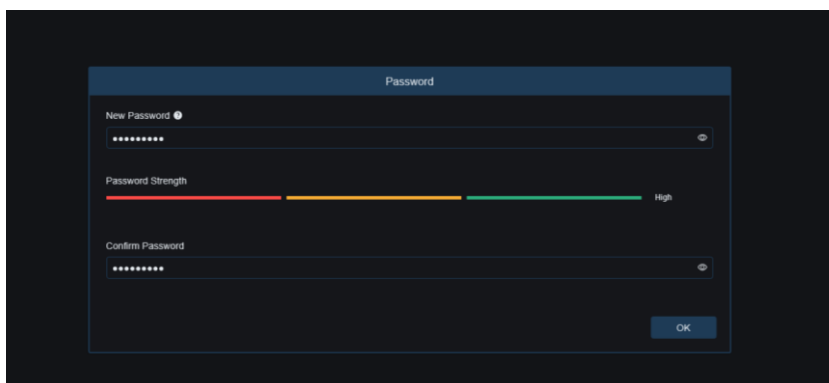
Password needs to be set up to access the camera webpage and register a camera to NVR.

The screenshot shows the 'Device Search' interface with a table of discovered devices. The table has columns for No., IP, Media Por, Web Port, Channel, Device Name, Device Type, Device Version, Net Mask, Gateway, MAC, Network Mode, P2P ID, and Status. Two devices are listed:

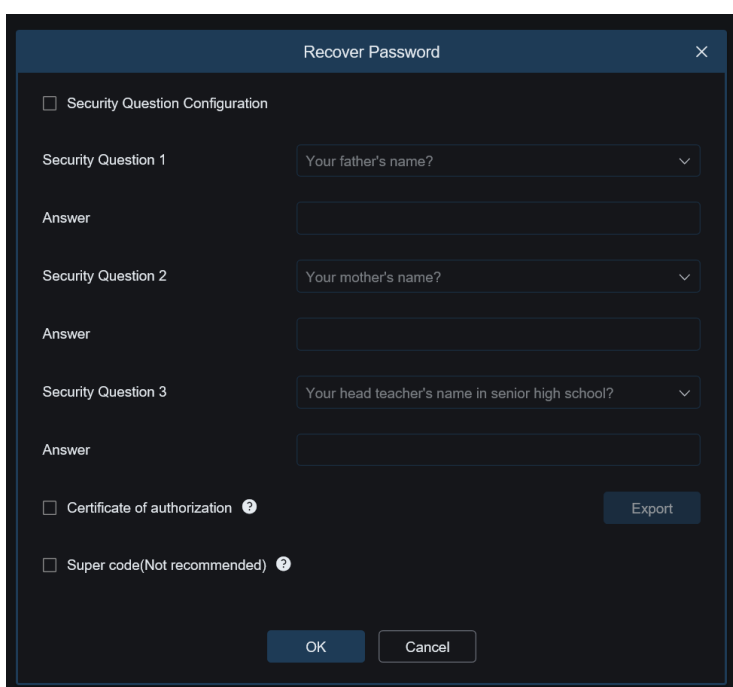
No.	IP	Media Por	Web Port	Channel	Device Name	Device Type	Device Version	Net Mask	Gateway	MAC	Network Mode	P2P ID	Status
1	192.168.1.168	9000	80	1	DC-D4511WERX 2.8mm	IP CAMERA	V21.45.7.1_210722	255.255.255.0	192.168.1.1	00-23-63-90-88-1B	DHCP		
2	192.168.1.169	9000	80	1	DC-D4531WERX	IP CAMERA	V21.45.7.1_210722	255.255.255.0	192.168.1.1	00-23-63-90-88-25	Static		

From Device Config Tool, click highlighted camera IP to access the camera webpage.

When accessing the webpage for the first time, a password setup is required. Password must be set for further configuration.

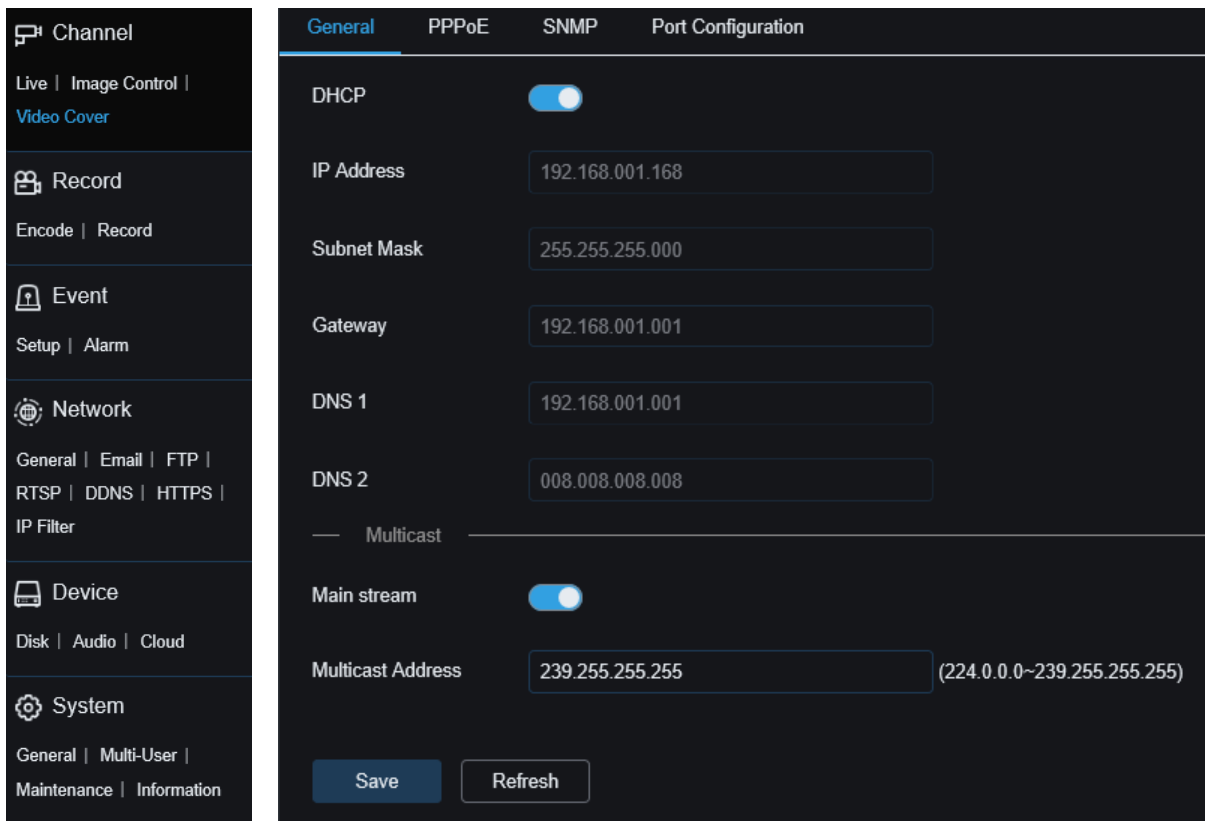


Password Recovery menu is not used, click Cancel.



3.2 Camera IP Address Setup

When the first time accessing camera webpage, it is recommended to set up an individual IP address for a camera. The default camera IP setting is static.



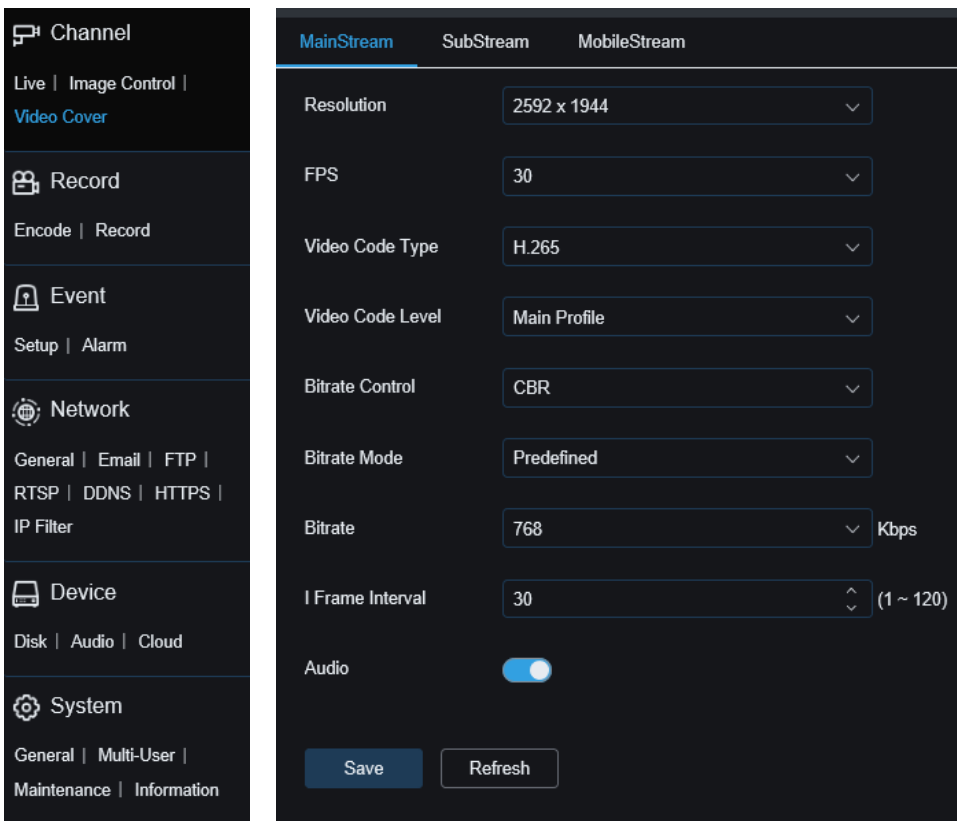
Go to Network – General to set up IP address.

3.3 Camera Stream Profile Setup

Stream Profile settings are available on Record – Encode page.

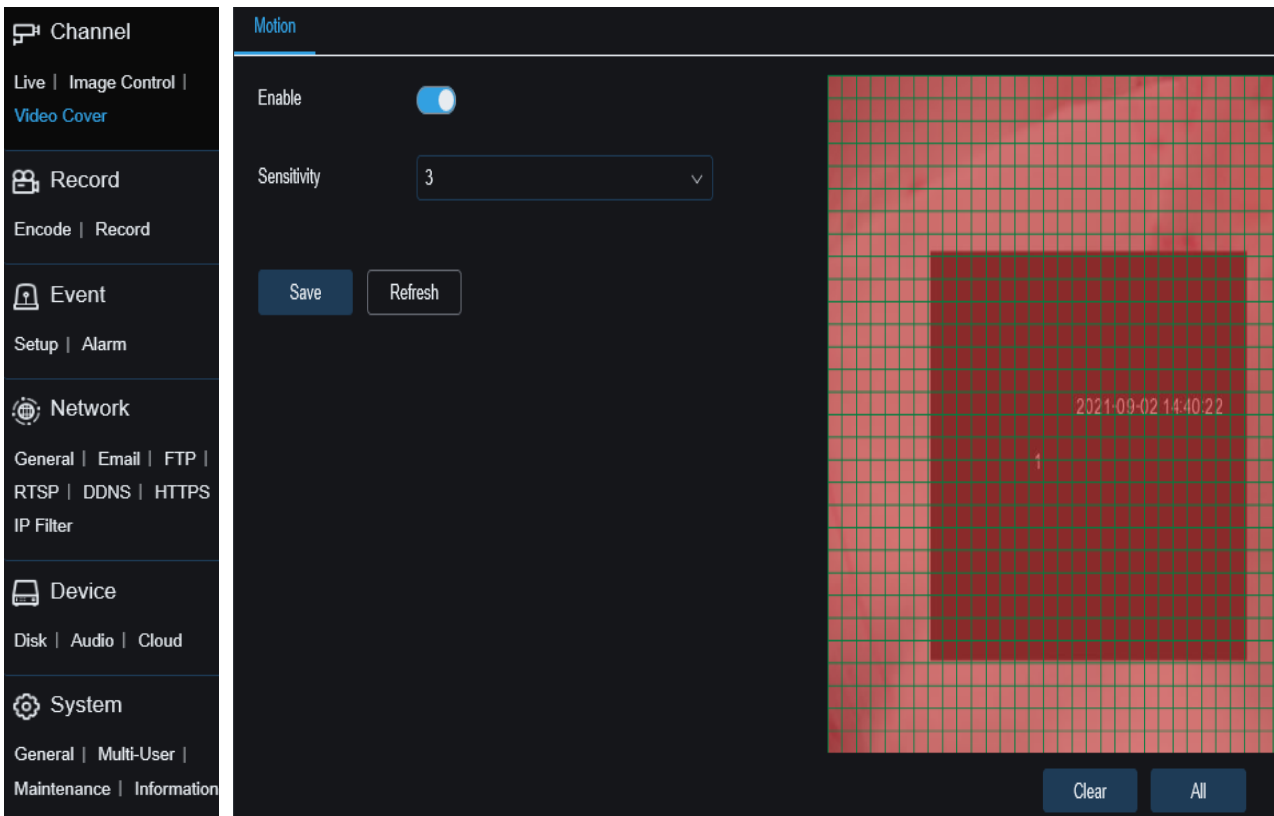
Note: The camera has 3 streams but IDIS NVR will use only MainStream and SubStream.

For IDIS Products, audio recording is not supported via Onvif protocol.



3.4 Camera Motion Event Setup

Motion settings are available on Event – Setup page.



Motion event should be enabled on NVR menu – Event – Video Analytics – Motion page.

No.	Sensitivity	Zone	Min. Blocks	Etc.	Condition	Actions
<input checked="" type="checkbox"/> 1	3 / 3	330	1 / 1	Etc.		
<input type="checkbox"/> 2	3 / 3	330	1 / 1	Etc.		
<input type="checkbox"/> 3	3 / 3	330	1 / 1	Etc.		
<input type="checkbox"/> 4	3 / 3	330	1 / 1	Etc.		
<input type="checkbox"/> 5	3 / 3	330	1 / 1	Etc.		
<input type="checkbox"/> 6	3 / 3	330	1 / 1	Etc.		
<input type="checkbox"/> 7	3 / 3	330	1 / 1	Etc.		
<input type="checkbox"/> 8	3 / 3	330	1 / 1	Etc.		
<input type="checkbox"/> 9	3 / 3	330	1 / 1	Etc.		
<input type="checkbox"/> 10	3 / 3	330	1 / 1	Etc.		
<input type="checkbox"/> 11	3 / 3	330	1 / 1	Etc.		
<input type="checkbox"/> 12	3 / 3	330	1 / 1	Etc.		
<input type="checkbox"/> 13	3 / 3	330	1 / 1	Etc.		
<input type="checkbox"/> 14	3 / 3	330	1 / 1	Etc.		
<input type="checkbox"/> 15	3 / 3	330	1 / 1	Etc.		
<input type="checkbox"/> 16	3 / 3	330	1 / 1	Etc.		

Ignoring Interval: 2 sec. Daytime Setup

Default Apply OK Cancel

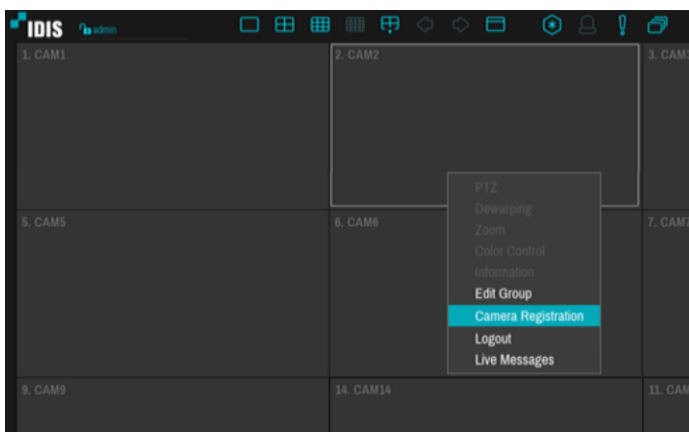
4 Camera Registration

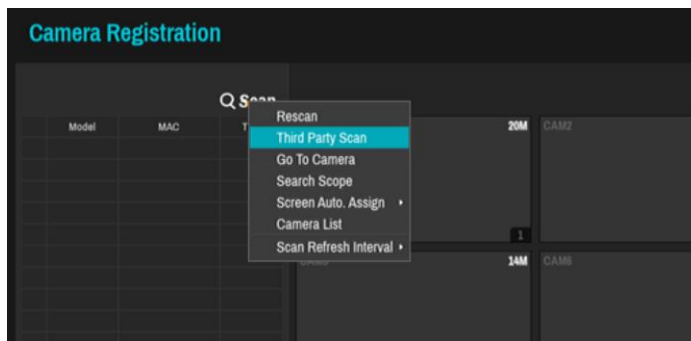
4.1 Camera Registration Page

This will guide camera registration to IDIS NVR.

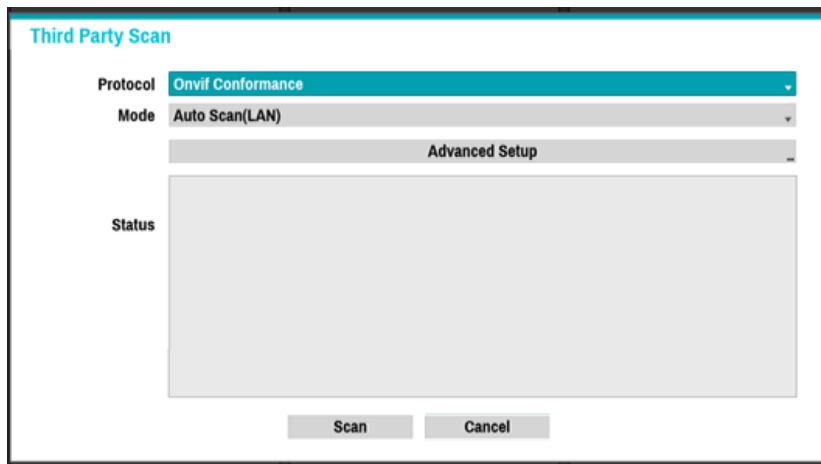
Note: NVR default Video-in IP address is set to Link-Local IP address(169.254.x.x)

1. Enter camera registration and go to Scan – Thrid Party Scan menu

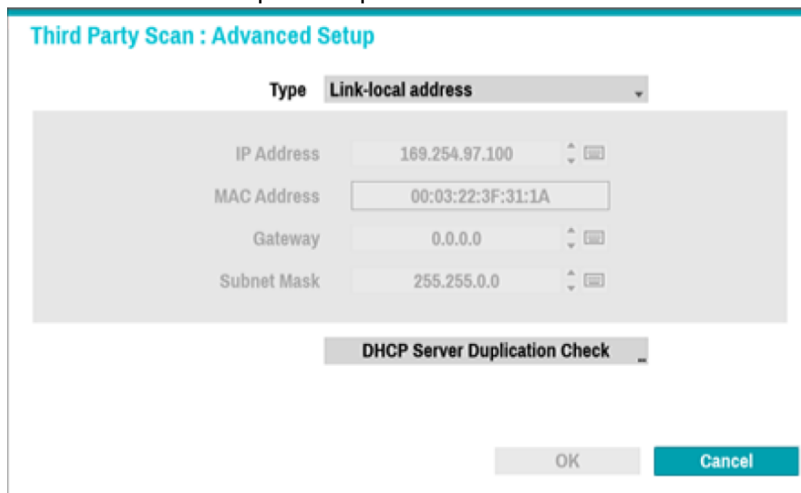




2. Select Protocol as 'Onvif Conformance'



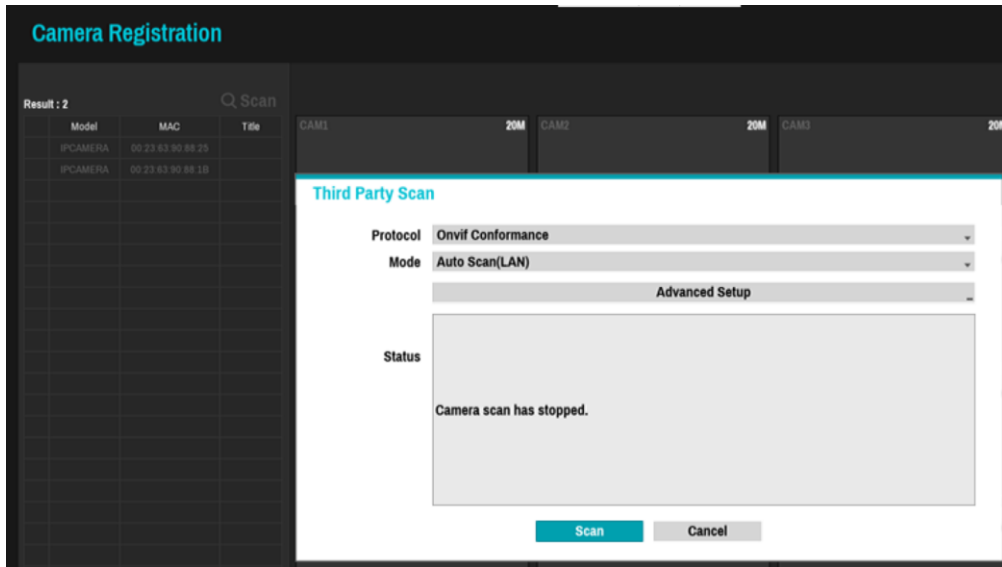
3. Enter Advanced Setup to setup IP address of NVR video-in network



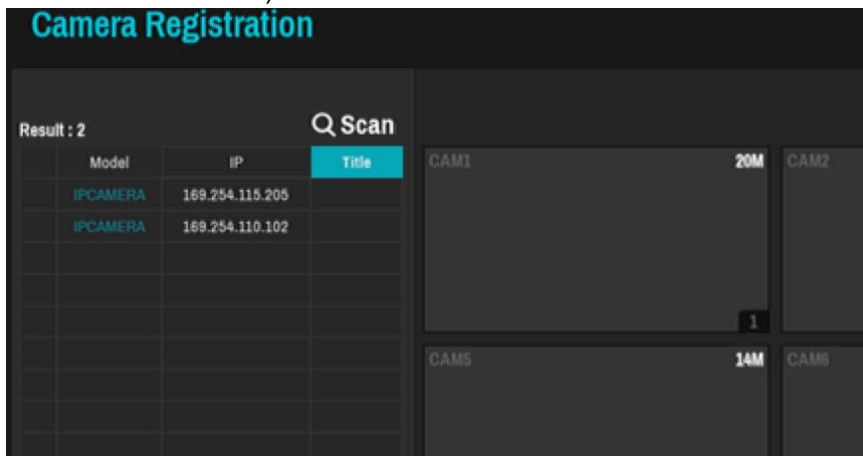
This Camera support both Link-local address IP range and static(DHCP) IP address, select desired IP address

4.2 Camera is in Link-local IP range

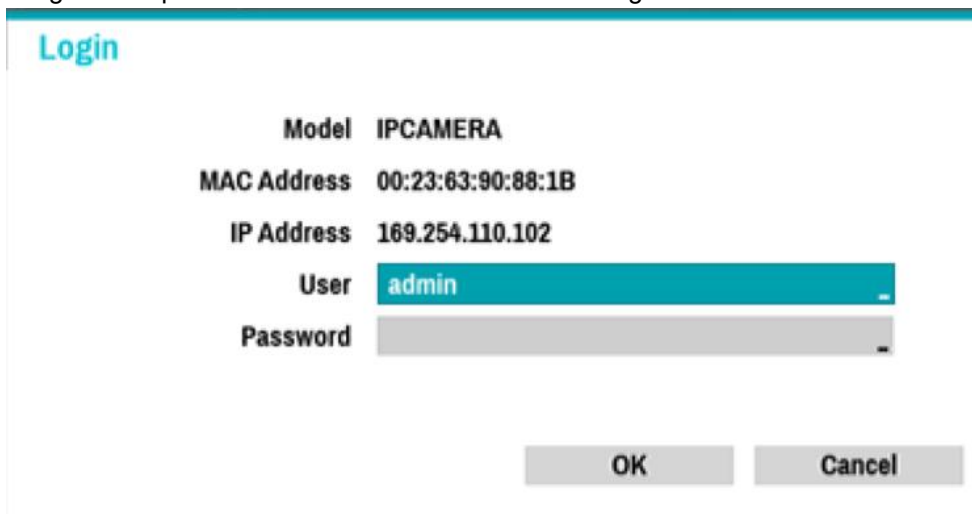
- a. When Link-local IP is set from step 3. Click scan to discover devices



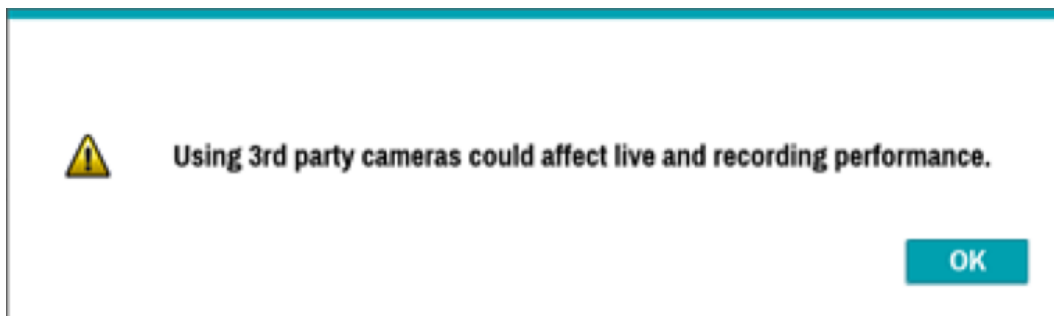
- b. Cameras will appear on the list (Clicking Title header will change display mode from MAC address to IP address)



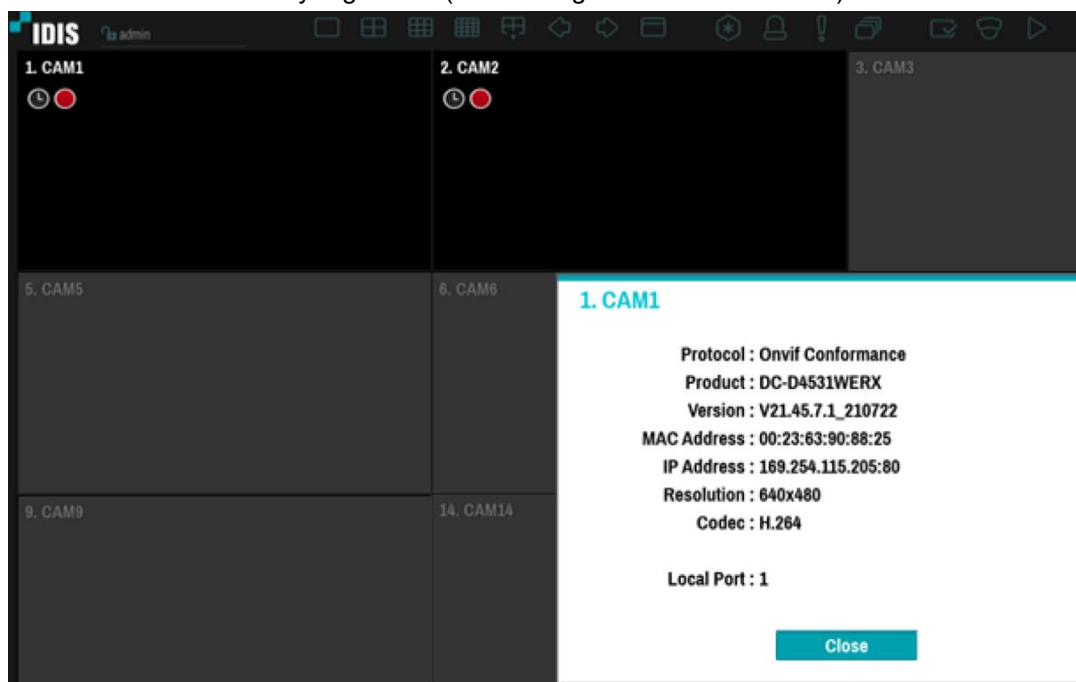
- c. Drag and drop a camera from device list and enter login detail.



- d. DC-D4511WERX, DC-D4531WERX are using Onvif protocol. Hence, the following notification will appear. Click OK.

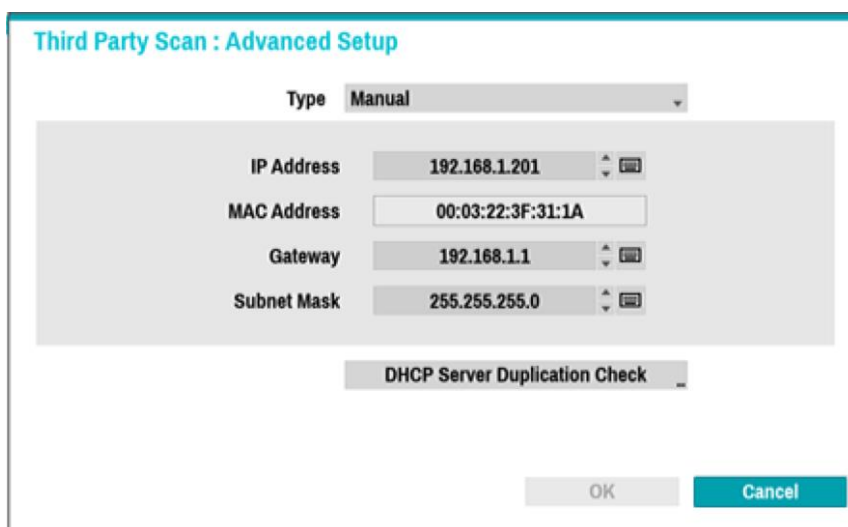


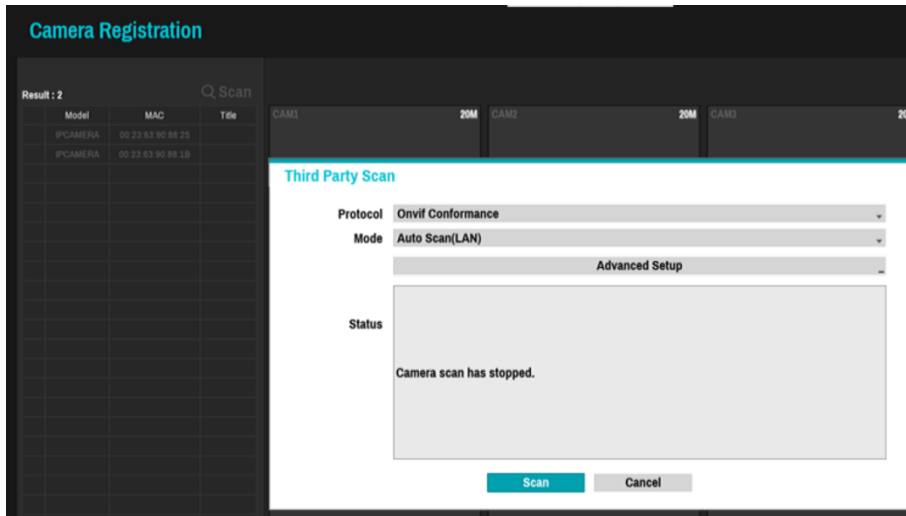
- e. Cameras are successfully registered (Video image is off in this manual).



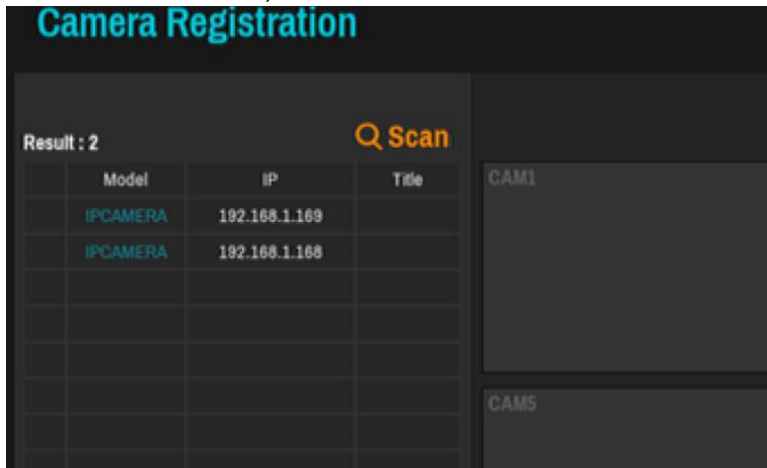
4.3 Cameras in DHCP or Static IP settings

- a. When Manual(DHCP) is set from step 3. Click scan to discover devices

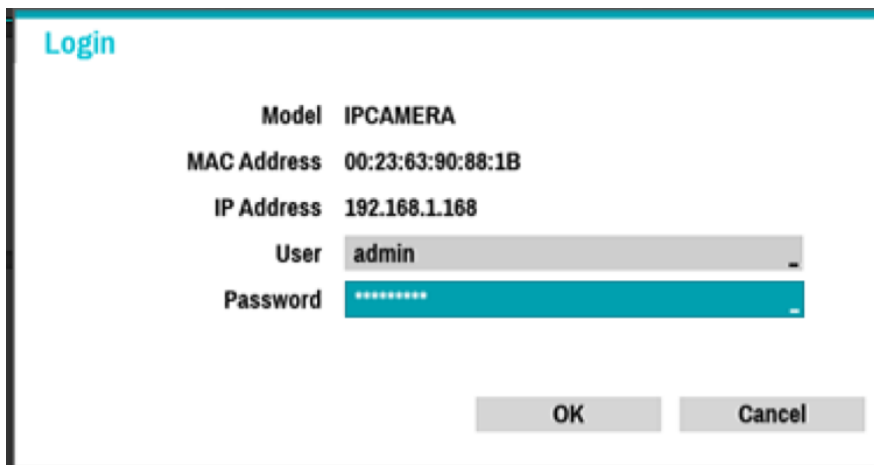




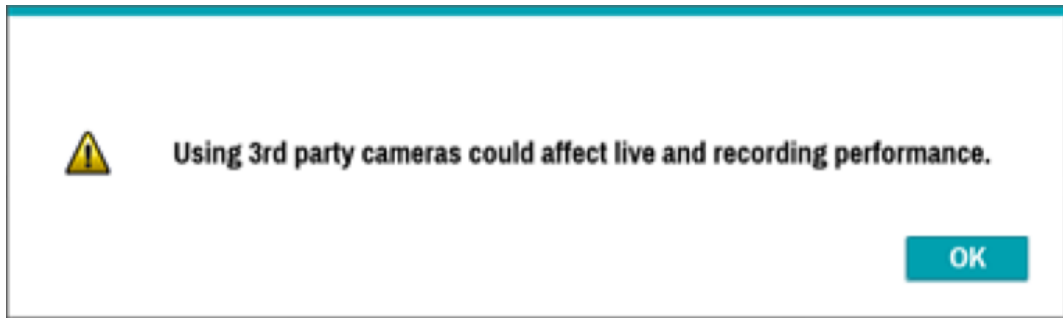
- b. Cameras will appear on the list (Clicking Title header will change display mode from MAC address to IP address)



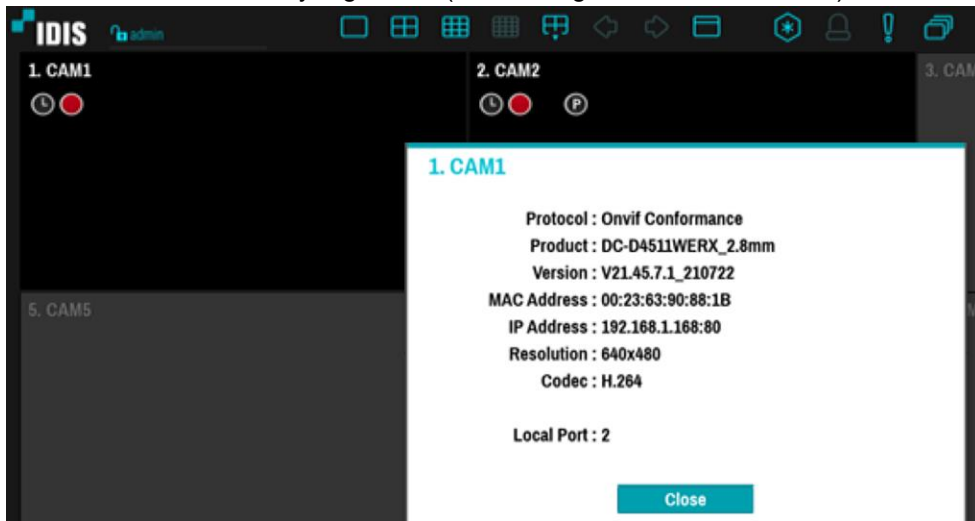
- c. Drag and drop a camera from device list and enter login detail.



- d. DC-D4511WERX, DC-D4531WERX are using Onvif protocol. Hence, the following notification will appear. Click OK.



e. Cameras are successfully registered (Video image is off in this manual).



5 Limitations

IDIS DC-D4511WERX and DC-D4531WERX have a couple of limitations as follows.

1. Camera needs to be registered via Onvif protocol.
2. Camera stream settings are not displayed on NVR – Camera – Stream menu. (It is displayed well in the NVR live pane)
3. Limitation of Audio features.
 - 3.1 DC-D4511WERX(Built-in mic): Audio-in through the built-in mic will work on IDIS NVR for Live(IDIS Center, IDIS Solution Suite Client) and Play(Recording). However, the audio source will be displayed as “Unknown” in the Audio setup menu.
 - 3.2 DC-D4533WERX(1 Line-in / 1 Line out): Audio-in through the audio source from line-in will work on IDIS NVR for Live(IDIS Center, IDIS Solution Suite Client) and Play(Recording). However, the audio source will be displayed as “Unknown” in the Audio setup menu. Line out will not work with IDIS products.

6 Appendix

6.1 Device Reset

There are 2 ways to reset the camera. The first is using reset button and the second is using Device Config Tool.

a. Device reset by a reset switch



DC-D4511WERX

DC-D4531WERX

Press the reset button for 10 seconds while a camera is plugged in.

- b. Device reset by Device Config Tool.
Please refer to the section 6.2.5 - c
- c. Device reset by Camera webpage
Please refer to the section 6.3.9 – c

6.2 Device Config Tool

Device Config Tool is required to do the initial setup and discover devices in a network.

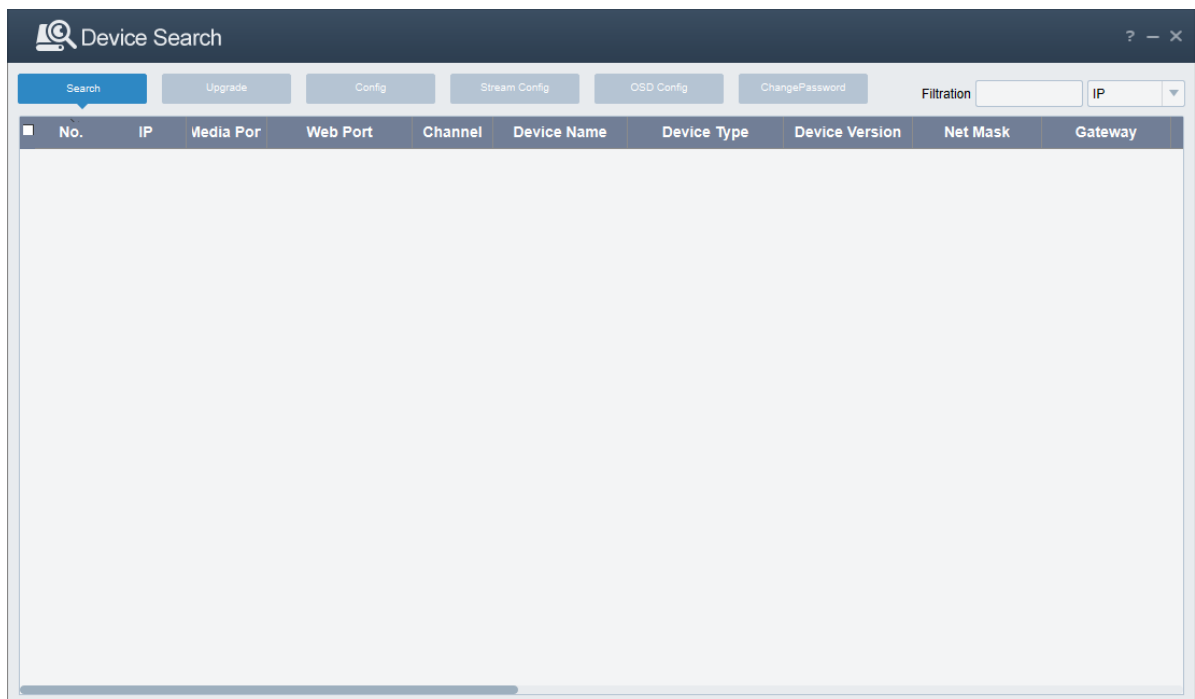
Download Link:

https://idisglobal-admin.s3-accelerate.amazonaws.com/support_download/Device+Config+Tool.exe

6.2.1 Installation

1. Download Device Config Tool and run
2. After installation run Device Config Tool

Device Search Tool Main Page



6.2.2 Device Search

Connect the PC to the camera video network and click Search. Cameras will show up on the list

The screenshot shows the 'Device Search' window with a table of discovered devices. The table has columns for No., IP, Media Port, Web Port, Channel, Device Name, Device Type, Device Version, Net Mask, Gateway, MAC, Network Mode, P2P ID, and Status. Two devices are listed: DC-D4511WERX and DC-D4531WERX, both IP cameras with the same network settings.

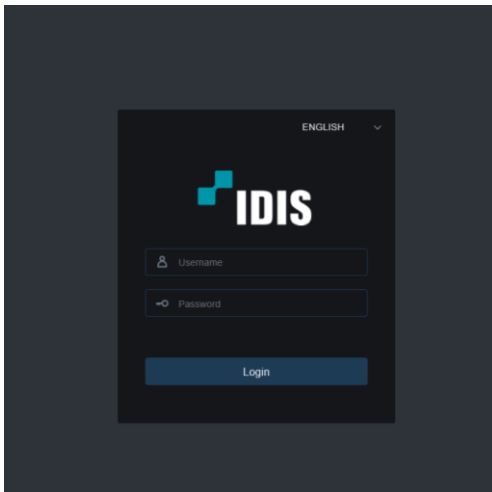
No.	IP	Media Port	Web Port	Channel	Device Name	Device Type	Device Version	Net Mask	Gateway	MAC	Network Mode	P2P ID	Status
1	192.168.1.168	9000	80	1	DC-D4511WERX 2.8mm	IP CAMERA	V21.45.7.1_210722	255.255.255.0	192.168.1.1	00-23-63-90-88-1B	DHCP		
2	192.168.1.169	9000	80	1	DC-D4531WERX	IP CAMERA	V21.45.7.1_210722	255.255.255.0	192.168.1.1	00-23-63-90-88-25	Static		

Network settings can be changed by clicking a camera from the list.

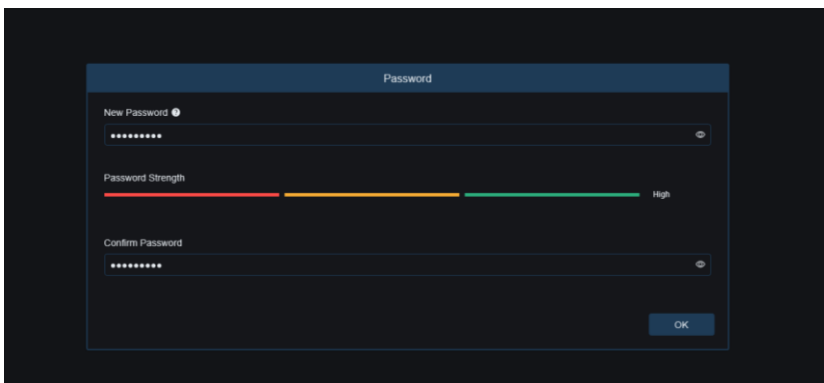
This screenshot shows the same 'Device Search' window, but the first device (DC-D4511WERX) is selected. Below the table, a configuration panel is visible with fields for 'User Info' and 'Device Info'. The 'Device Info' fields are populated with the network settings of the selected camera.

User Info		Device Info											
UserName	admin	IP	192.168.1.168	Media Port	9000	Web Port	80	Gateway	192.168.1.1	Net Mask	255.255.255.0	Net Mode	DHCP

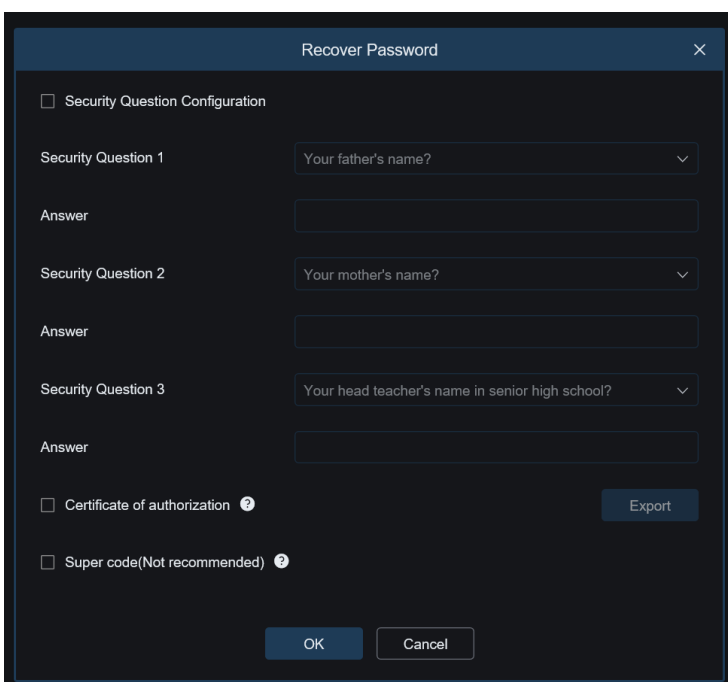
Camera remote page can be accessed by clicking Hyperlink on the IP column



When accessing the webpage for the first time, password setup is required. Password must be set for further configuration.



Password Recovery menu is not used, click Cancel.



6.2.3 Search Tab

IP configuration can be done on this tab. Simply click the camera and change IP setting by changing values in the bottom field.



Manual and DHCP settings are available for this camera. By default, it is set to 192.168.1.168 when it is in static mode.

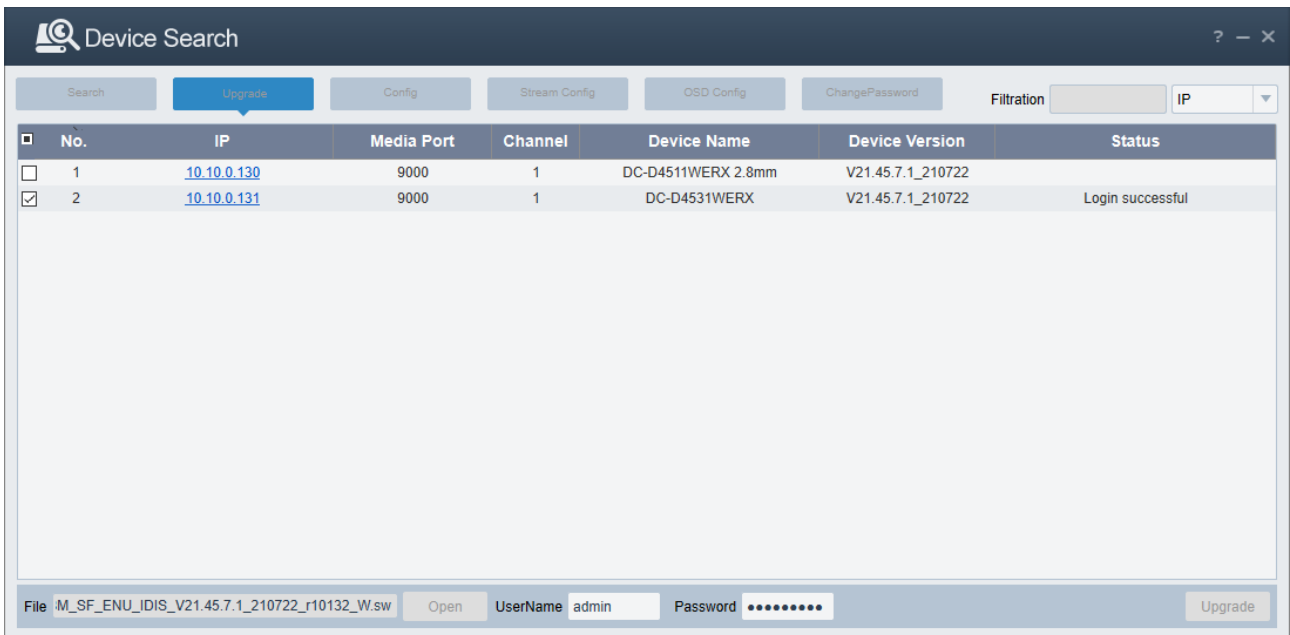
Note: Batch IP setup is not supported. When multiple cameras are being set up for the first time, it has to be set up one by one by accessing 192.168.1.168

6.2.4 Upgrade Tab

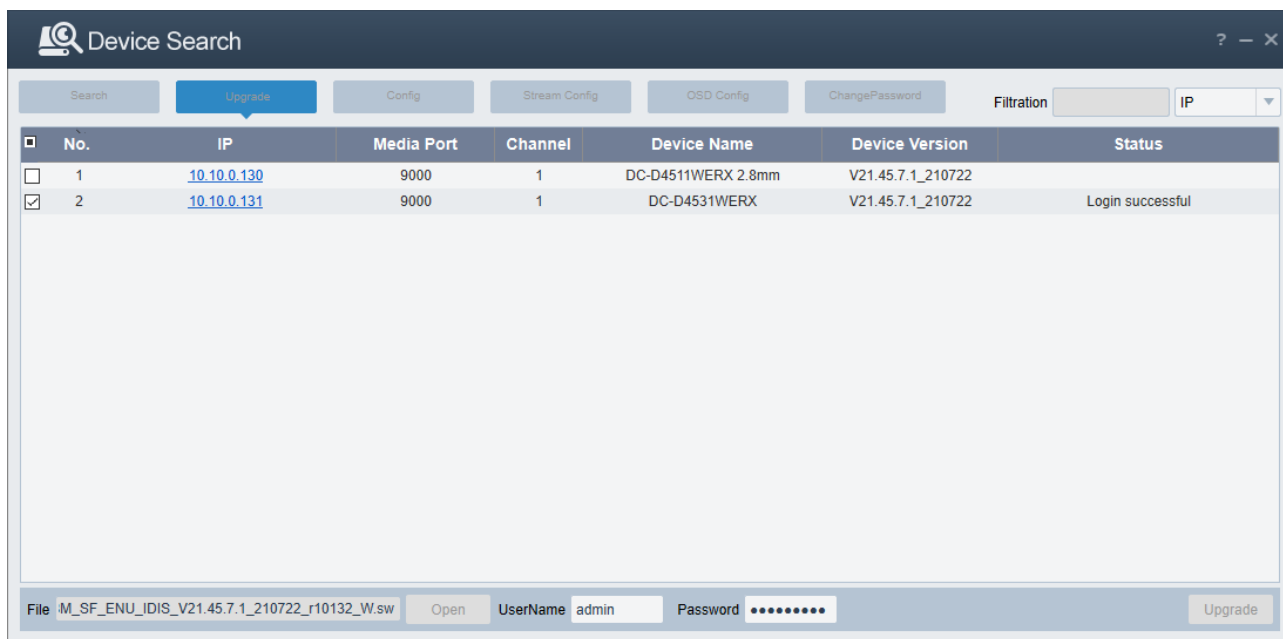
Upgrade for a device or multiple devices are available on this tab.

The latest firmware version is available at www.idisglobal.com

1. Select Camera from the device list and select firmware file on the bottom.



2. Enter login detail on the bottom field and click Upgrade



3. Status will be changed during the upgrade process.

Login

Device Name	Device Version	Status
DC-D4511WERX 2.8mm	V21.45.7.1_210722	
DC-D4531WERX	V21.45.7.1_210722	Login successful

File transferring

Device Name	Device Version	Status
DC-D4511WERX 2.8mm	V21.45.7.1_210722	
DC-D4531WERX	V21.45.7.1_210722	Update progress:53

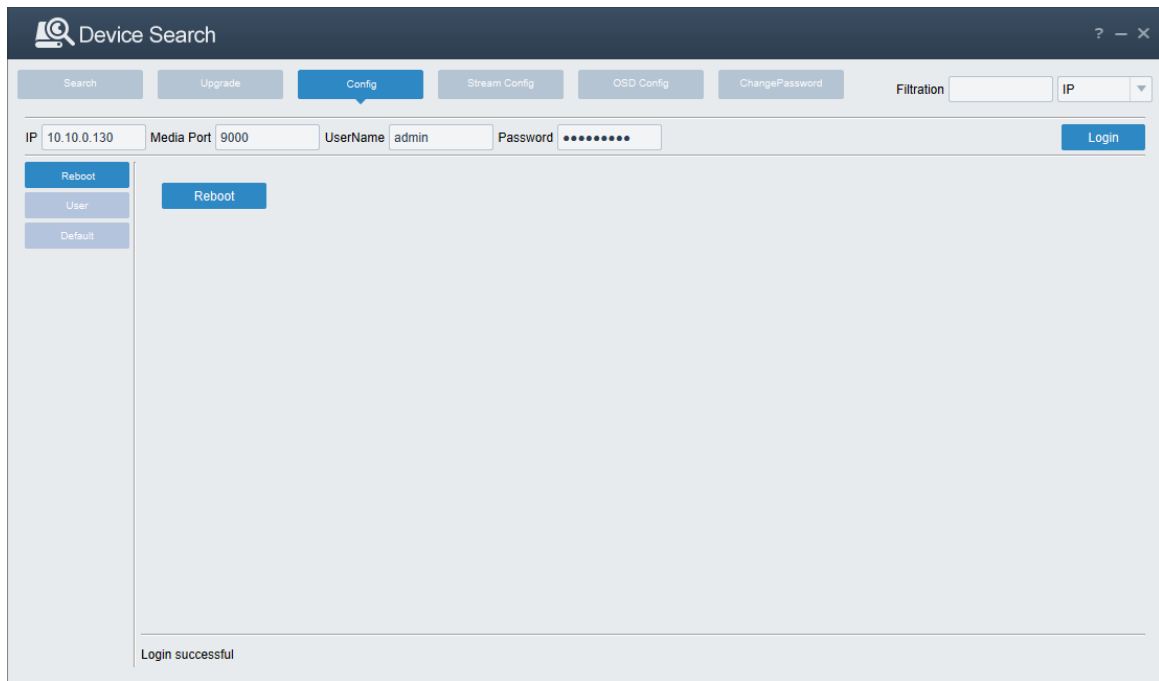
Upgrade complete

Device Name	Device Version	Status
DC-D4511WERX 2.8mm	V21.45.7.1_210722	
DC-D4531WERX	V21.45.7.1_210722	transferred successfully. Please don't power off the camera during firmware ...

6.2.5 Config Tab

In this tab, device reboot, password change, and load default setting can be done.

a. Device reboot



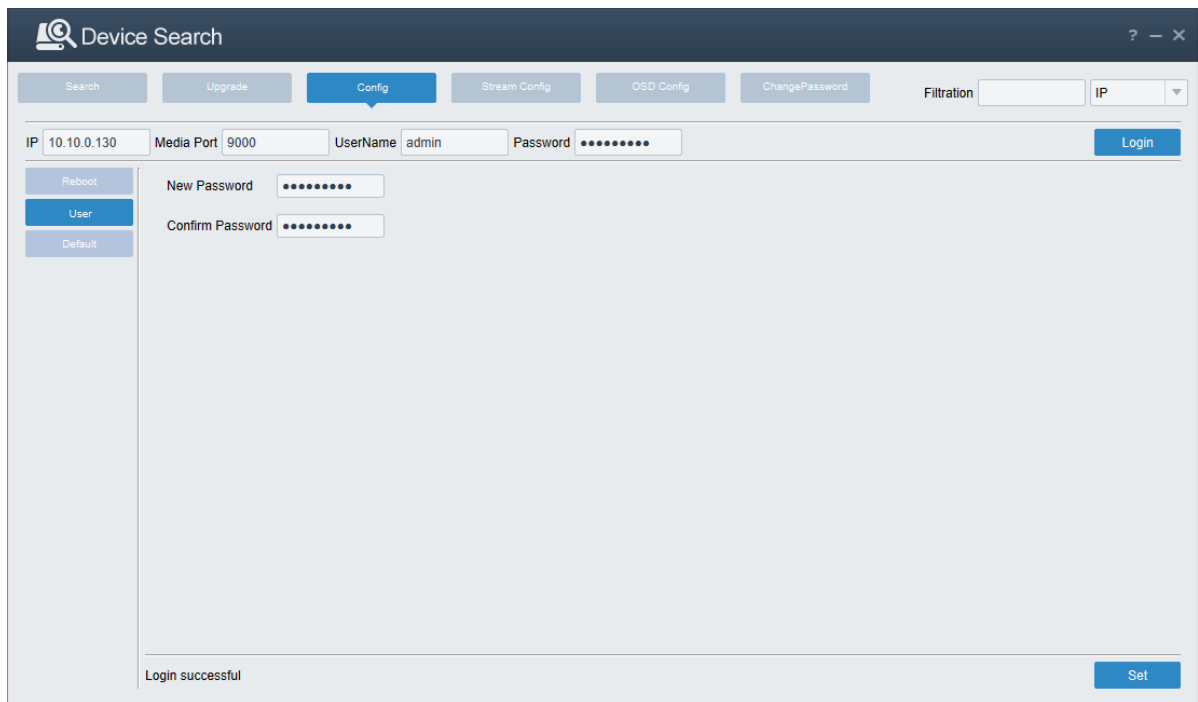
First, input camera information click login, if the information is correct, Login successful message will be displayed on the bottom.

Click Reboot to reboot a camera.

b. Password change

Click User tab from the left menu.

Input password and click Set

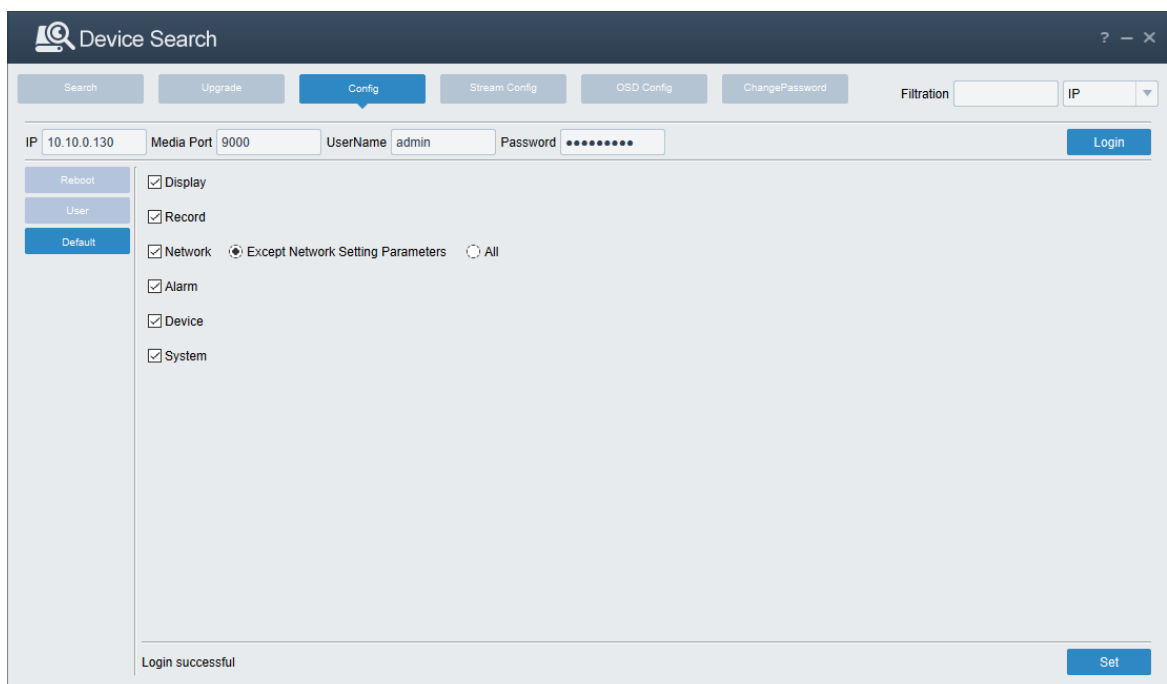


Login successful message will be displayed when the password is changed.

c. Load default setting

Click Default tab from the left menu.

Select desired components from the list and click Set

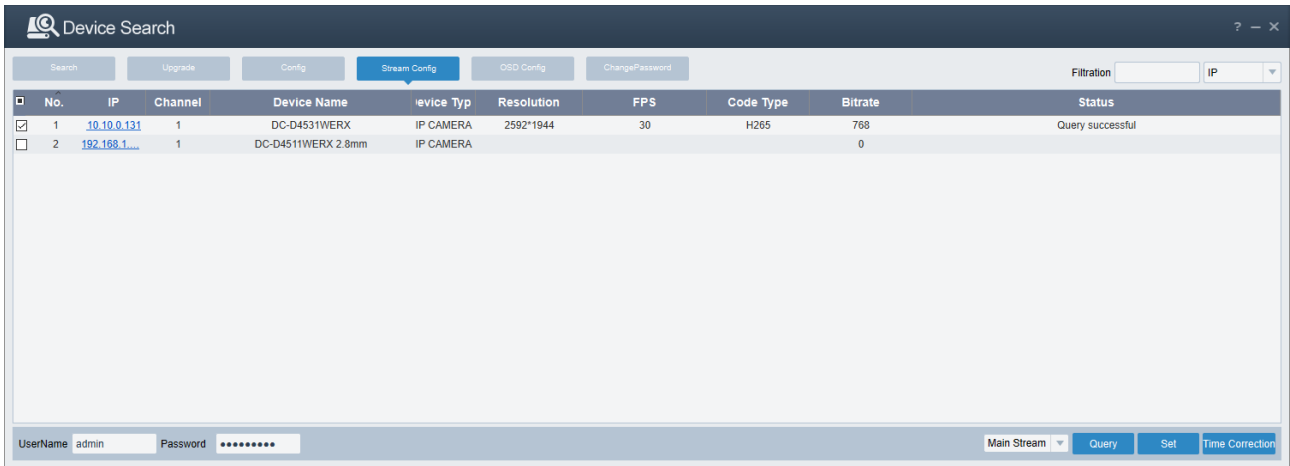


Set Parameter Succeed! Message will be displayed when the settings are changed successfully.

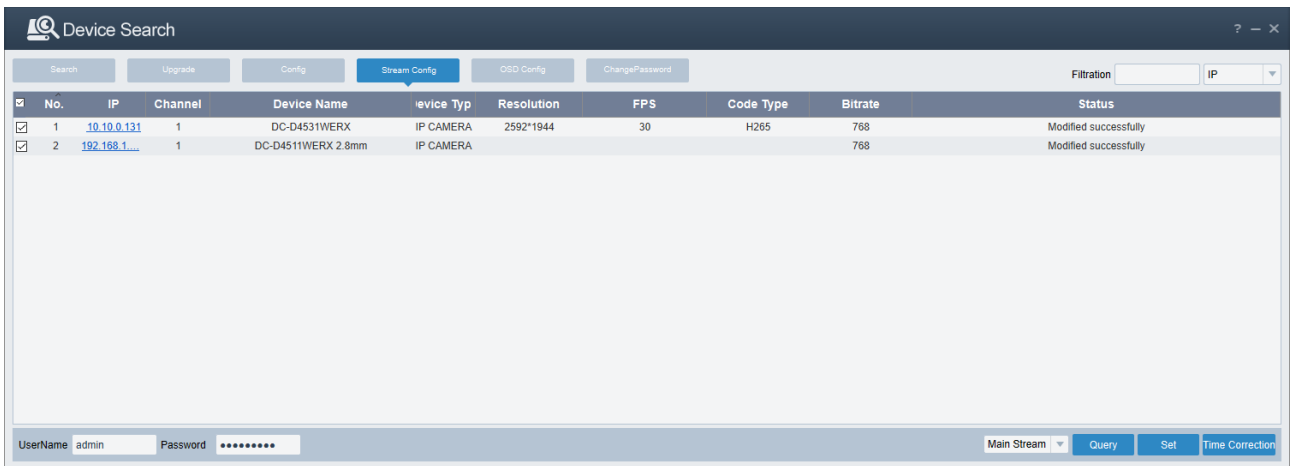
6.2.6 Stream Config Tab

Changing Stream settings for multiple cameras is available on this tab. To apply settings for multiple cameras, the cameras should have the same password.

- a. Select a camera from the list that has desired stream profile. Enter login detail and click Query to load stream profile.



- b. Select cameras from the list that requires setting change and click Set to apply settings.



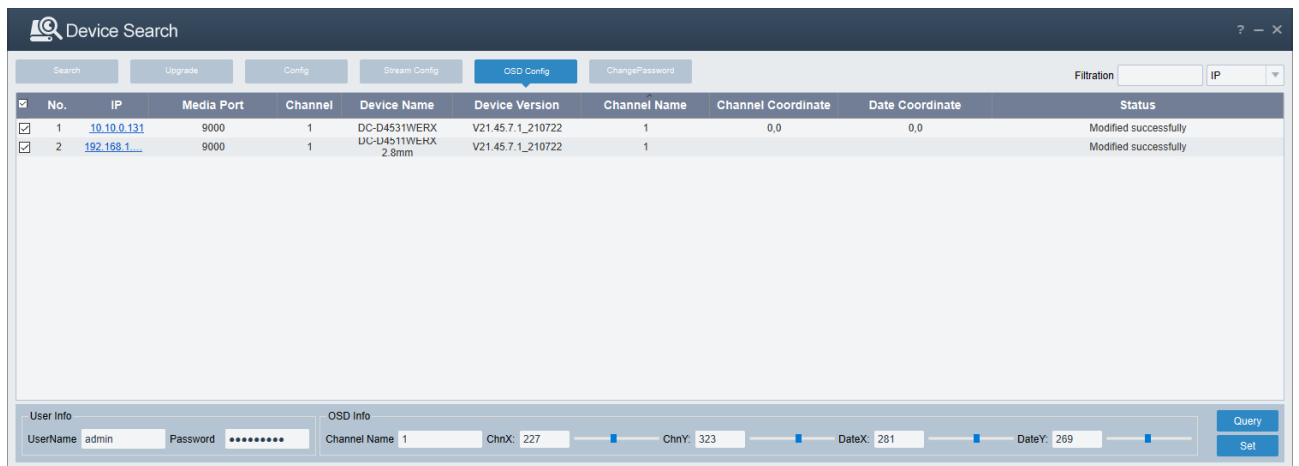
Modified Successfully message is displayed.

- c. The time correction button refreshes and synchronizes the time with NTP server.

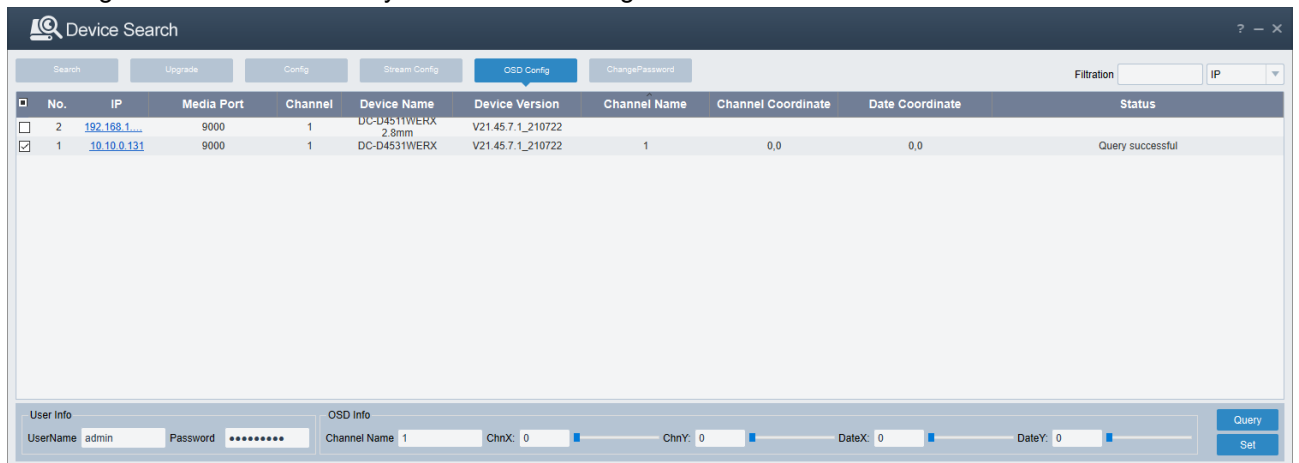
6.2.7 OSD Config Tab

On-Screen Display feature is provided by default for DC-D4511WERX and DC-D4531WERX, and this tab present singular or multiple OSD setting changes.

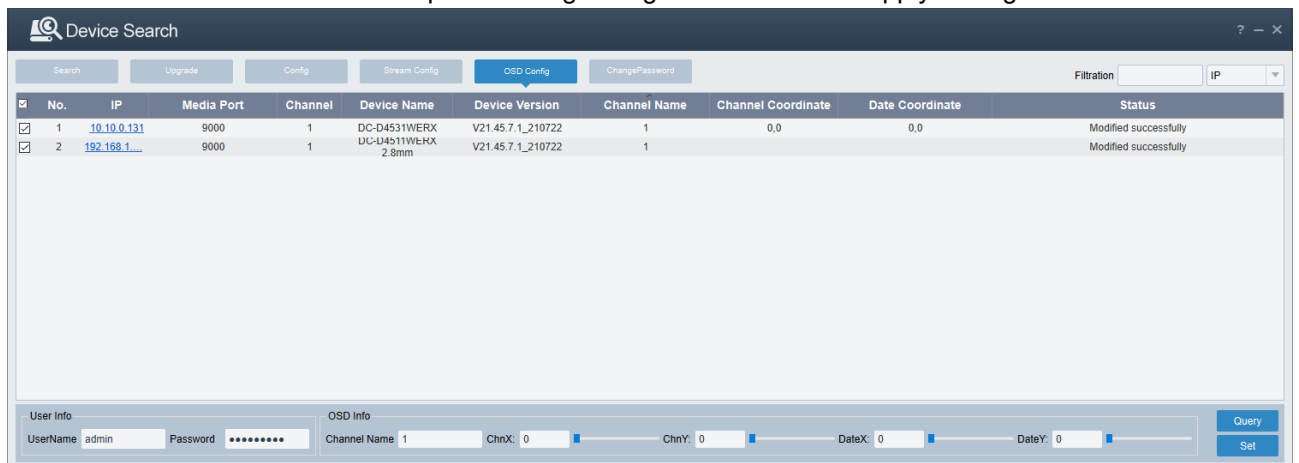
- a. **Changing OSD value:** Select target cameras and set OSD info values and click Set



- b. **Copy and paste settings:** Select a camera from the list that has desired OSD settings. Enter login detail and click Query to load OSD settings.



- c. Select cameras from the list that requires setting change and click Set to apply settings.

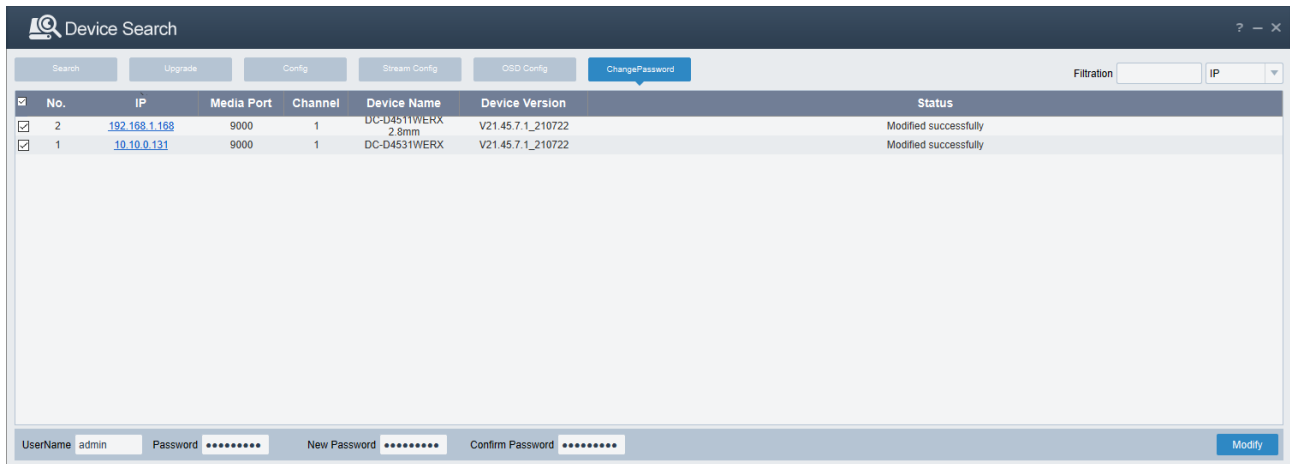


Modified Successfully message is displayed.

6.2.8 Change Password Tab

Changing Password for multiple cameras is available on this tab.

- a. Select target cameras.
- b. Enter the current password and new password and click Modify.



Modified successfully message will be displayed when it is done successfully.

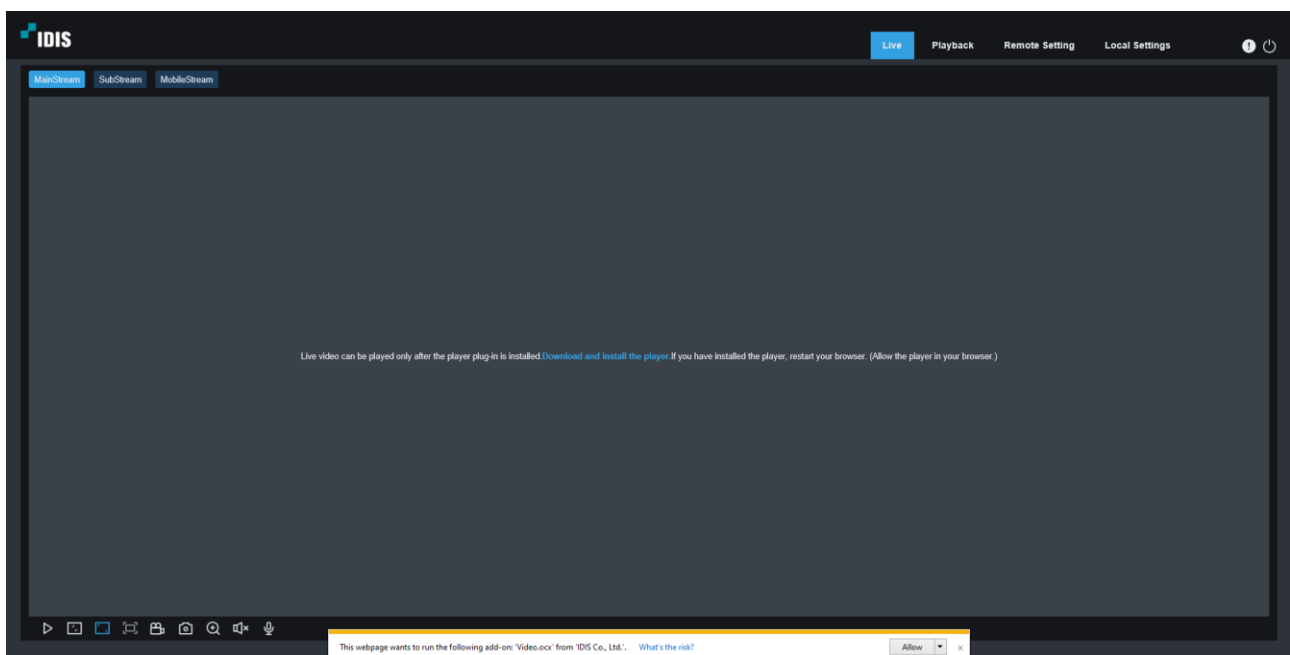
6.3 Camera Webpage

Most camera settings need to be done on camera webpage. Details about camera settings will be explained in this chapter.

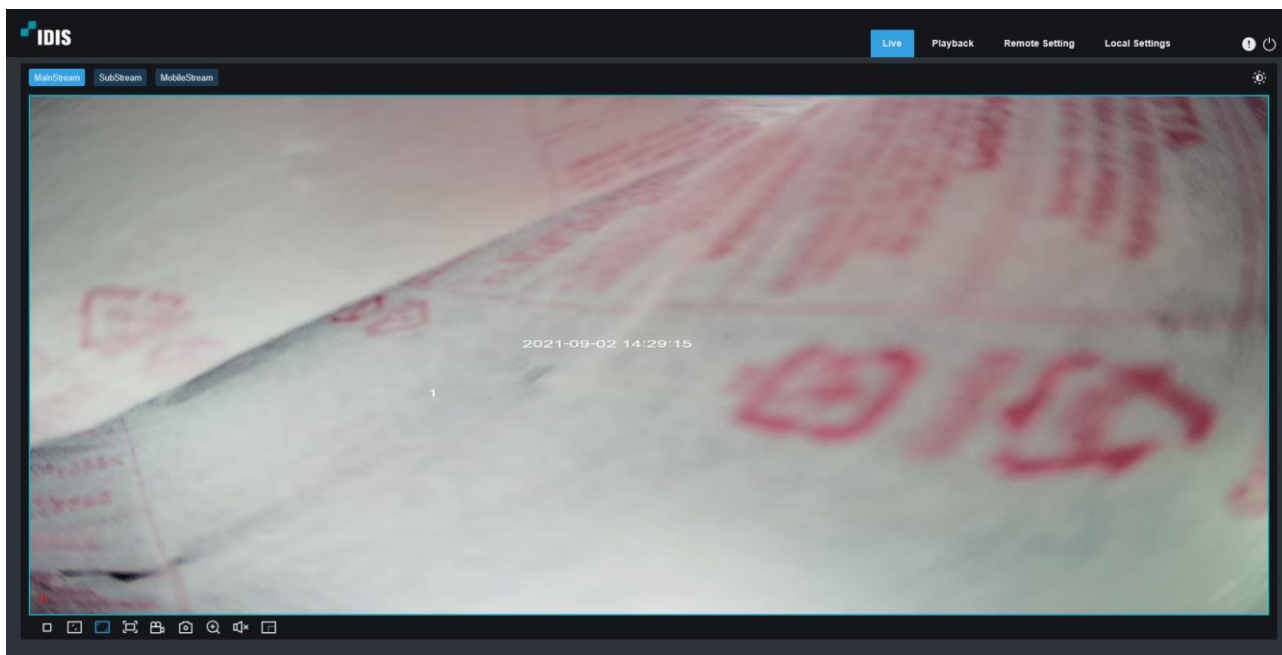
Currently, only Internet Explorer is supported for camera Live monitoring on the **web**.

6.3.1 Live Tab

After login, live video screen will show up.



If the plugin is not installed, install the plugin to view live streaming.



6.3.2 Playback Tab

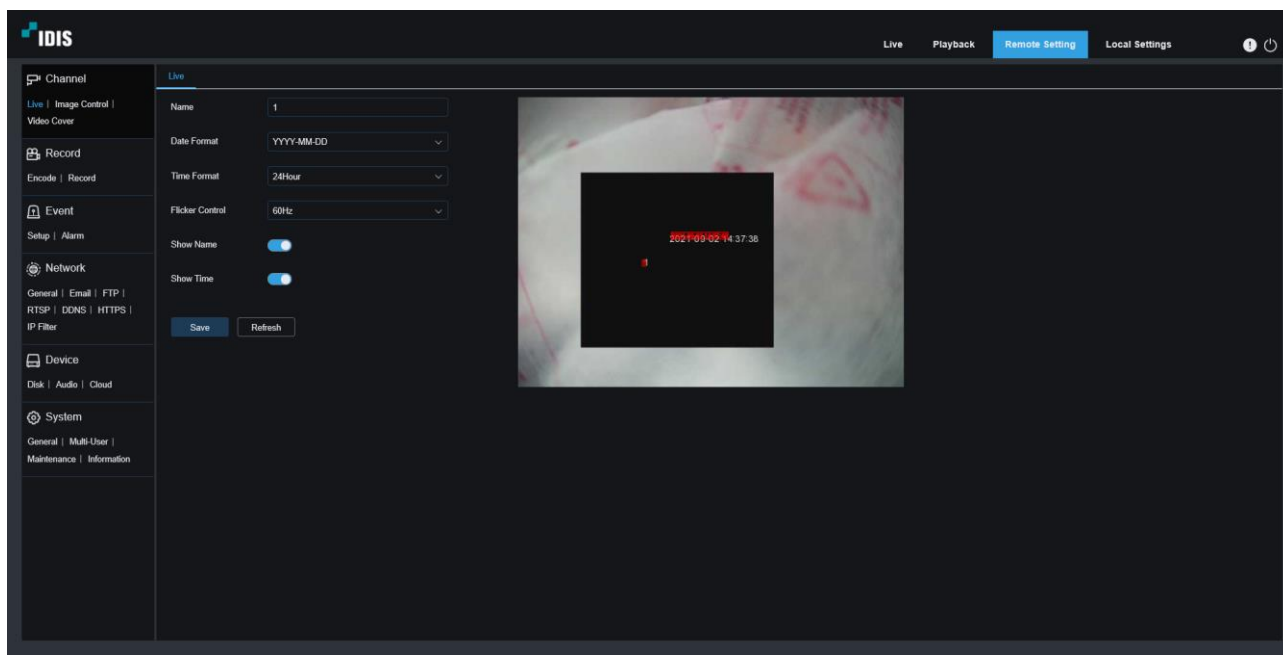
Browsing SD card recording is available on this tab.

Please note that this is not compatible with IDIS products

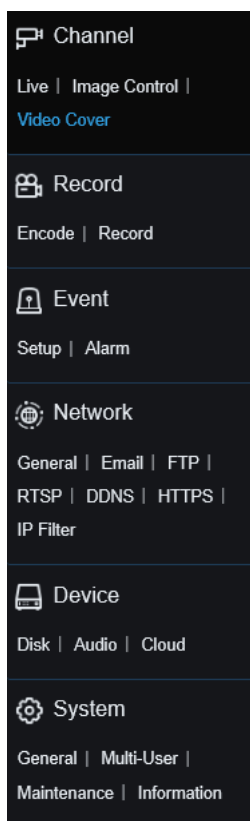


6.3.3 Remote Setting Tab(Camera Configurations)

Main settings for NVR recording are available on this tab.



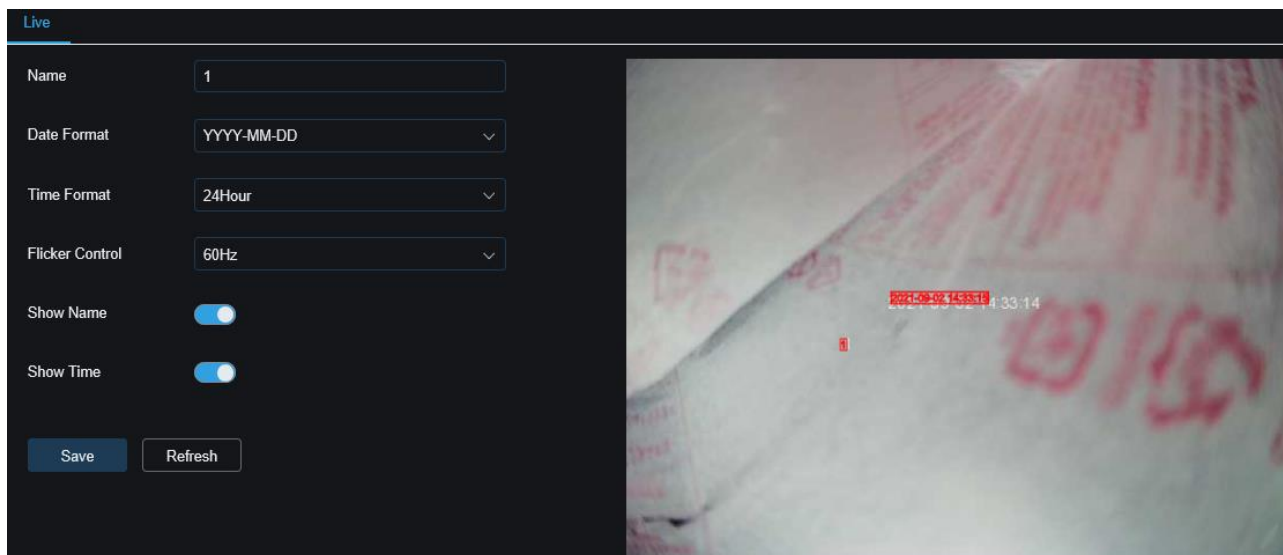
The following list of settings is available.



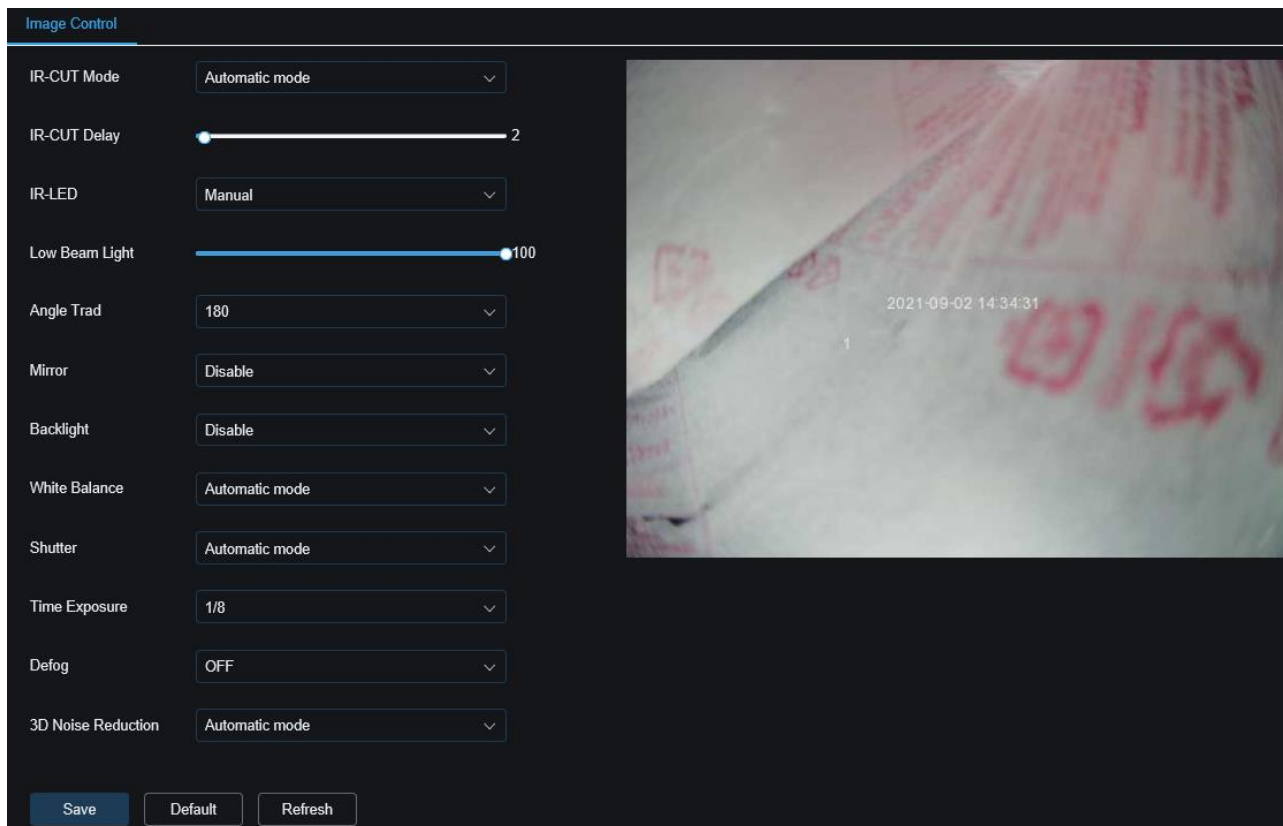
6.3.4 Channel Settings

Live, Image Control, and Video Cover options settings are available in this section.

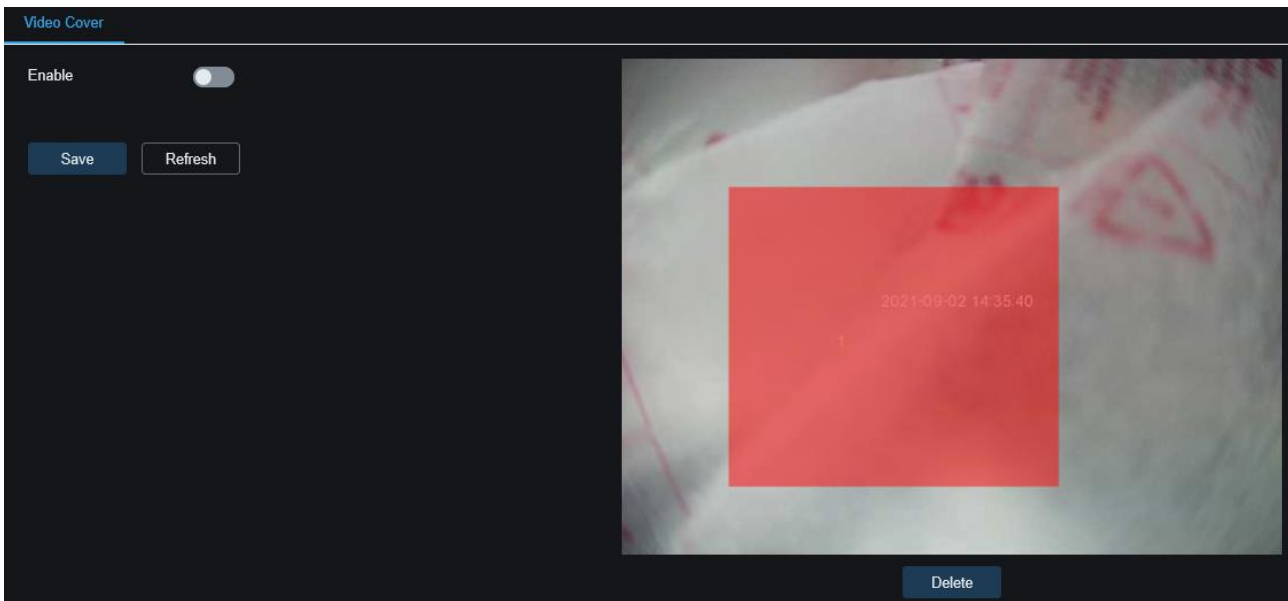
a. Live



b. Image Control



c. Video Cover(Masking option)



6.3.5 Record Settings(Stream Profile settings)

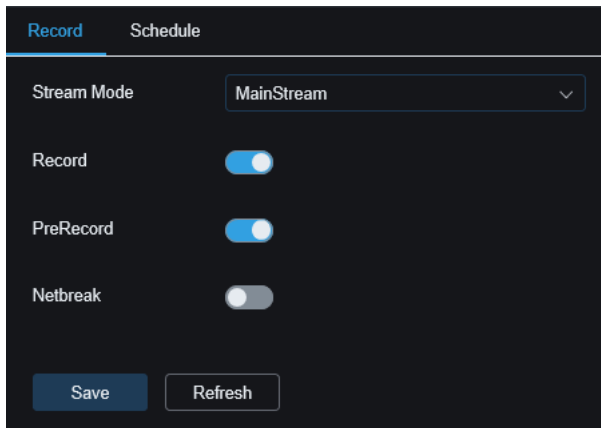
Encode(NVR recording), Record(SD card recording) settings are available in this section.

a. Encode



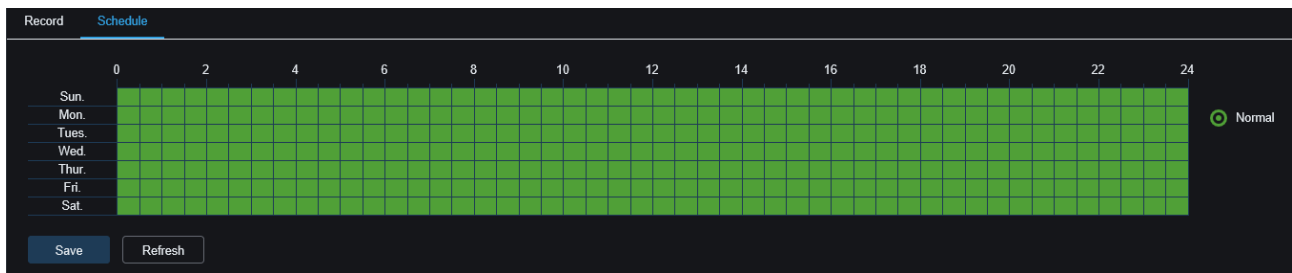
**Audio option should be enabled to use Audio features on IDIS products.

b. Record



The 'Record' settings panel includes a 'Record' tab and a 'Schedule' tab. Under the 'Record' tab, there are three toggle switches: 'Stream Mode' set to 'MainStream', 'Record' (checked), 'PreRecord' (checked), and 'Netbreak' (unchecked). At the bottom are 'Save' and 'Refresh' buttons.

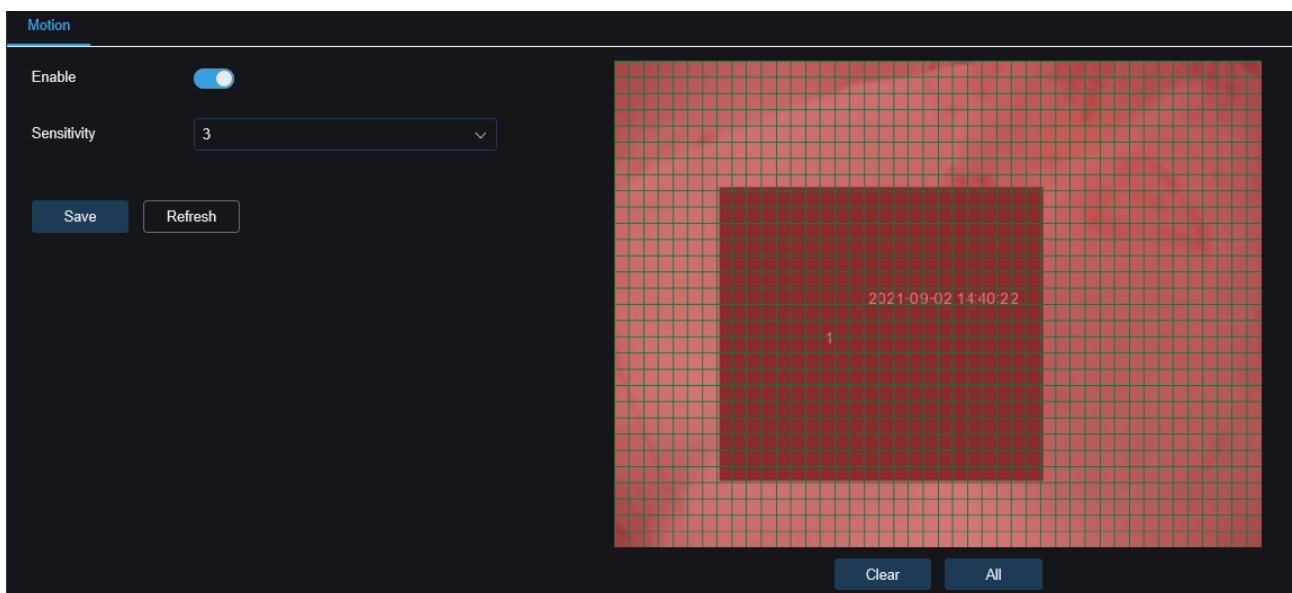
Recording Schedule



6.3.6 Event Settings

Motion event and Alarm(notification) are available in this section.

a. Motion



The 'Motion' settings panel includes an 'Enable' toggle (checked), a 'Sensitivity' dropdown set to '3', and 'Save' and 'Refresh' buttons. To the right is a video preview window with a red grid overlay. A red box in the video is labeled with the timestamp '2021-09-02 14:40:22' and the number '1'. 'Clear' and 'All' buttons are at the bottom right of the video window.

b. Alarm

The screenshot shows the 'Motion' configuration page. It includes the following settings:

- Post Recording: 5 S (dropdown menu)
- Send Email:
- FTP Picture Upload:
- Cloud Picture:
- Enable Record:

Buttons at the bottom: Save, Schedule, Refresh.

6.3.7 Network Settings

General, Email, FTP, RTSP, DDNS, HTTPS, and IP filter settings are available in this section.

a. General

The screenshot shows the 'General' network configuration page. It includes the following settings:

- DHCP:
- IP Address: 192.168.001.168
- Subnet Mask: 255.255.255.000
- Gateway: 192.168.001.001
- DNS 1: 192.168.001.001
- DNS 2: 008.008.008.008

Section: Multicast

- Main stream:
- Multicast Address: 239.255.255.255 (224.0.0.0~239.255.255.255)

Buttons at the bottom: Save, Refresh.

b. Email

Email Configuration

Email

Encryption OFF

SMTP Port 25 (1 ~ 65535)

SMTP Server

Username

Password

Sender

Receiver 1

Receiver 2

Receiver 3

Interval 3Min

Save Test Refresh

c. FTP

FTP

FTP Enable

Server

Port 21 (1 ~ 65535)

Username

Password

Transfer images

Save Refresh

d. RTSP

RTSP

RTSP Enable

Anonymous Login (No username or password required)

Instruction:
rtsp://IP:Port/rtsp/streaming?channel=1&subtype=A
A: 0(main stream), 1(sub stream), 2(mobile stream)

e. DDNS

DDNS

DDNS

Server

Domain

Username

Password

f. HTTPS

HTTPS

Certificate Type

g. IP filter

IP Filter

Enable

Type Enable Allow List Enable Block List

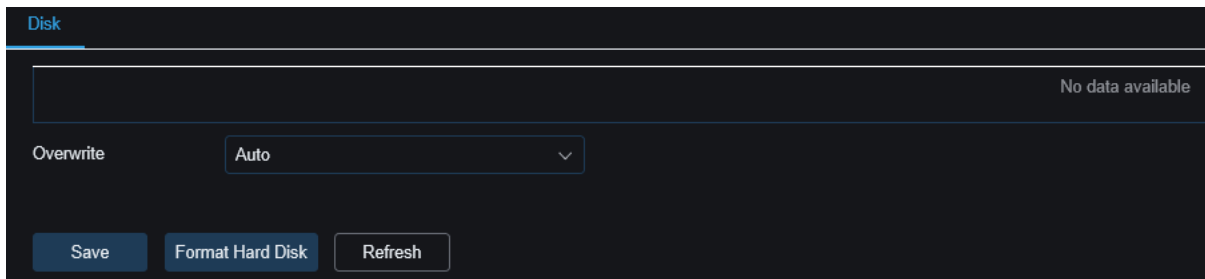
Restricted Type

No.	<input type="checkbox"/>	Start Address	End Address	CON.
No data available				

6.3.8 Device Settings

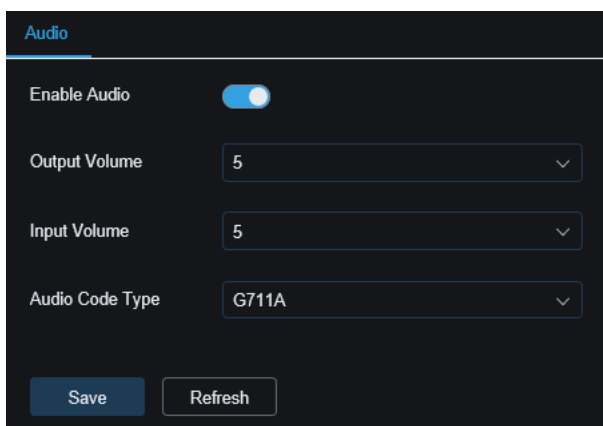
Disk, audio, and cloud settings are available in this section.

a. Disk



The screenshot shows the 'Disk' settings page. At the top, there is a header 'Disk' with a blue underline. Below it is a large empty rectangular area with the text 'No data available' on the right side. Underneath this area is the 'Overwrite' setting, which is a dropdown menu currently set to 'Auto'. At the bottom of the page, there are three buttons: 'Save', 'Format Hard Disk', and 'Refresh'.

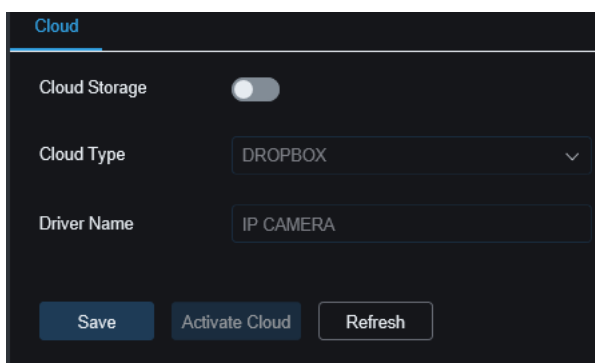
b. Audio



The screenshot shows the 'Audio' settings page. At the top, there is a header 'Audio' with a blue underline. Below it are four settings: 'Enable Audio' with a toggle switch turned on; 'Output Volume' with a dropdown menu set to '5'; 'Input Volume' with a dropdown menu set to '5'; and 'Audio Code Type' with a dropdown menu set to 'G711A'. At the bottom of the page, there are two buttons: 'Save' and 'Refresh'.

This option should be enabled to use audio features on IDIS products.

c. Cloud



The screenshot shows the 'Cloud' settings page. At the top, there is a header 'Cloud' with a blue underline. Below it are three settings: 'Cloud Storage' with a toggle switch turned off; 'Cloud Type' with a dropdown menu set to 'DROPBOX'; and 'Driver Name' with a text input field containing 'IP CAMERA'. At the bottom of the page, there are three buttons: 'Save', 'Activate Cloud', and 'Refresh'.

6.3.9 System Settings

General, Multi-User, Maintenance, and Information settings are available in this section.

a. General

Date and Time

Date and Time Daylight Saving Time

Time setting mode Static NTP server synchronization

Date Format Year-Month-Day

Time Zone GMT+8:00

Time Format 24Hour

System time 2021-09-02 14 : 46 : 33

Server Address time.windows.com

Save Synchronize computer time Refresh

Daylight Saving Time

Daylight Saving Time Set by week Set by date

Start Time March The 2nd Sun. 02 : 00 : 00

End Time November The 1st Sun. 02 : 00 : 00

Time Offset 1Hour

Save Refresh

b. Multi-User

NO.	Username	Level	Status	Password	Policy
1	admin	admin	Enable		
2	user1	user1	Disable		
3	user2	user2	Disable		
4	user3	user3	Disable		
5	user4	user4	Disable		
6	user5	user5	Disable		
7	user6	user6	Disable		

Refresh

c. Maintenance

Log

Log Load Default Upgrade Parameter Management Auto Reboot

Log Type Search

Start Time

End Time

Load Default

Log Load Default Upgrade Parameter Management Auto Reboot

All

Channel

Record

Event

Network

Device

System

Save Refresh

Upgrade

Log Load Default Upgrade Parameter Management Auto Reboot

Path ... Upgrade

Don't close the browser or turn off the power when updating!

Parameter Management

Log Load Default Upgrade Parameter Management Auto Reboot

Import File Import

Export file name Export

Auto Reboot

Log Load Default Upgrade Parameter Management **Auto Reboot**

Auto-maintenance

Time Week

Sun.

00 : 00

Note: The system will restart at some random time within 2 hours after the set time point

Save Refresh Reboot

d. Information

Information

Device ID	000000
Device Name	DC-D4511WERX 2.8mm
Device Type	IP CAMERA
Hardware Version	RS-CM-361C
Software Version	V21.45.7.1_210722
Web Version	V1.0.0.123_210722
MAC Address	00-23-63-90-88-1B

Refresh

[End of Document]

Version History

Version	Writer	Revision Date	Remarks
1.0.0	Jungsoo Yoon	Sep. 8. 2021	Initial Release
1.0.1	Jungsoo Yoon	Apr. 18. 2022	Contents added: Section 5. Limitations: Audio availability Section 6.3.5, 6.3.8: Comment on Audio feature