

Dahua Camera ONVIF Configuration

NOTE: Dahua IPC-HDPW5541G-Z camera was used to test this scenario adding to an IVSEC NR316XA NVR. Other Dahua camera models and firmware versions may require different configuration.

Version	
Device Type	IPC-HDPW5541G-Z
System Version	V2.800.0000000.6.R, Build Date: 2019-08-01
WEB Version	V3.2.1.768580
ONVIF Version	18.06(V2.4.5.698080)

Use Dahua Config tool to search for Dahua cameras - <https://dahuawiki.com/ConfigTool>

The screenshot shows the Dahua Config Tool interface. At the top, there is a search bar with the text "Device(s) found" and a refresh icon. A blue "Search Setting" button is visible. Below the search bar, there are several action buttons: "Initialize", "Batch Modify IP", "Import", "Export", "Manual Add", and "Delete". A search input field with a magnifying glass icon is also present. The main area contains a table with the following columns: NO., Status, Type, Model, IP, MAC, Version, and Operate. The table has one row with the following data: NO. 1, Status Uninitialized, Type IPC, Model IPC-HDPW5541G-Z, IP 192.168.1.108, MAC a0:bd:1d:b7:d1:32, Version V2.800.000..., and Operate Edit, Details, Web. At the bottom, there is a summary bar that says "You have selected 0 device(s)" and two checkboxes for "Uninitialized" and "Initialized", both of which are checked. There are also buttons for "IPV4" and "IPV6".

Login to camera via web browser using IP address as shown in search tool.

You may be prompted to create an admin login password.

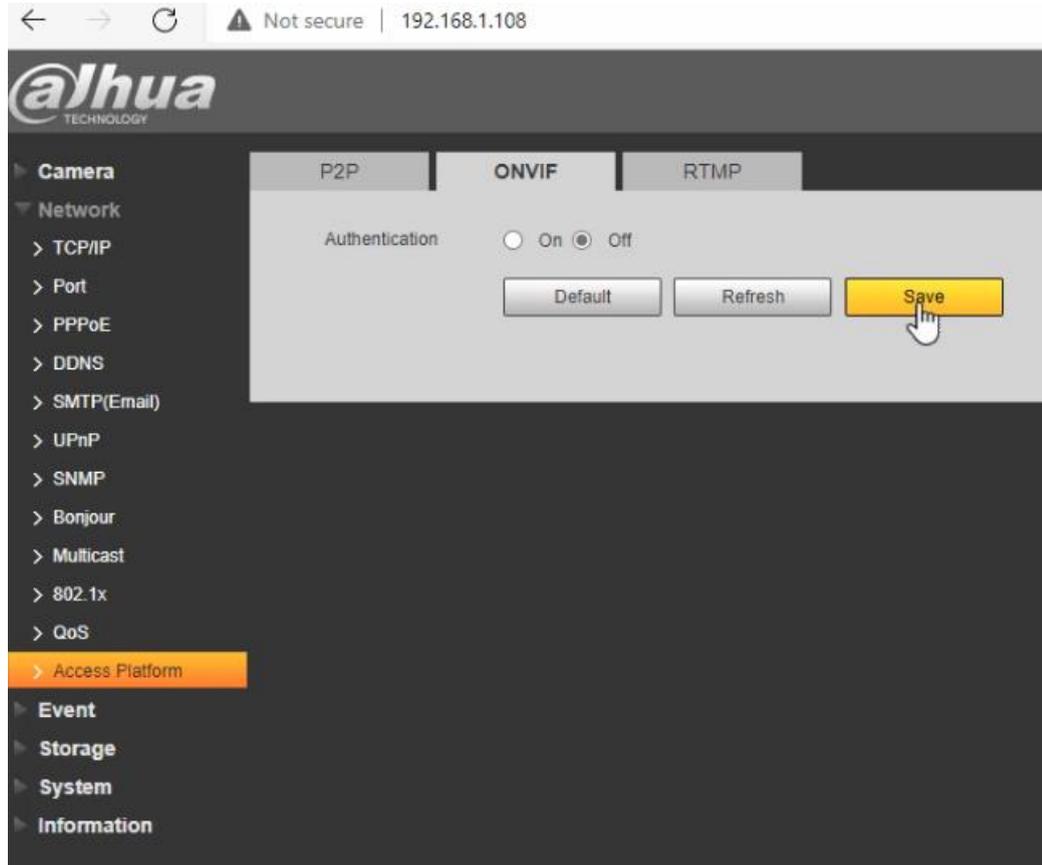
The screenshot shows the "Device Initialization" form. It has three input fields: "Username" with the value "admin", "Password", and "Confirm Password". Below the "Password" field, there are three buttons: "Weak", "Middle", and "Strong". Below the "Confirm Password" field, there is a note: "Use a password that has 8 to 32 characters, it can be a combination of letter(s), number(s) and symbol(s) with at least two kinds of them.(please do not use special symbols like ' " ; : &)".

Please note the username and password will be needed when you are adding camera to the IVSEC NVR

Click **Network**

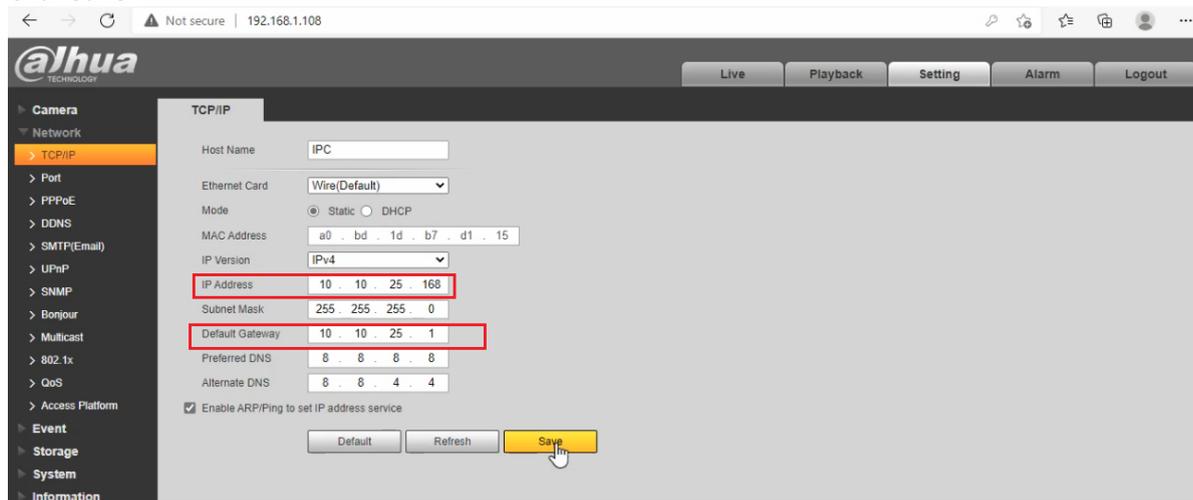
Access Platform

Set ONVIF Authentication to **OFF**. Click **Save**



If connecting camera to POE port of IVSEC NVR ensure you configure camera to a static IP address in the range of 10.10.25.x range (this is the default VLAN range of IVSEC X range NVRs).

Click **Save**

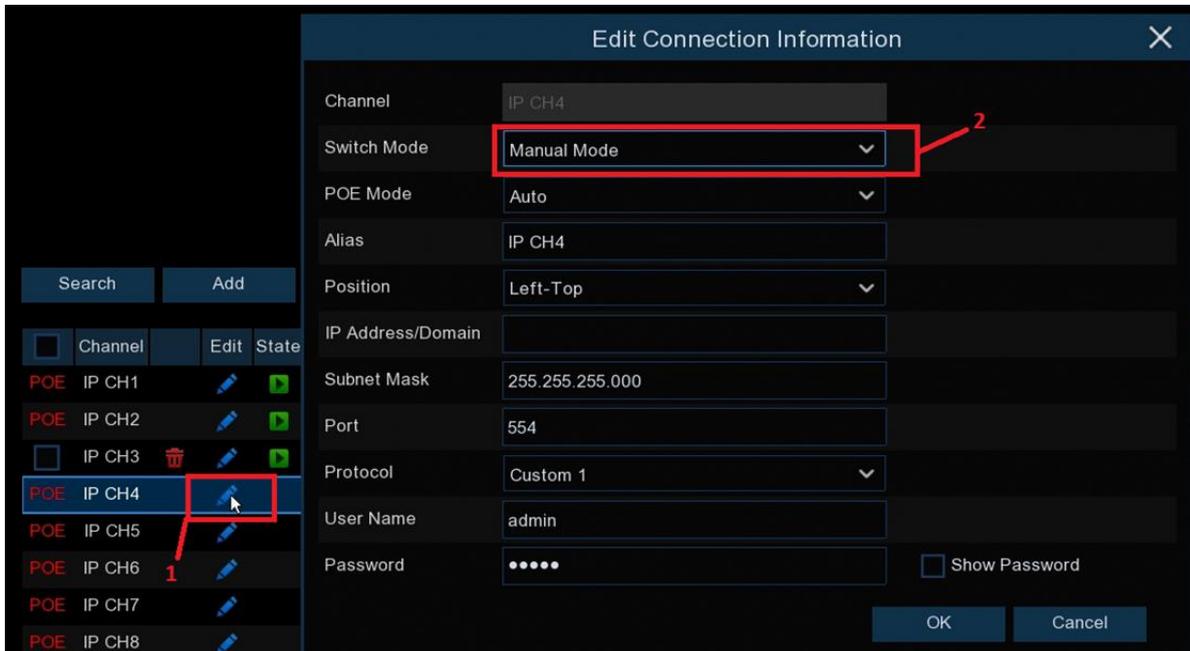


On the IVSEC NVR

Click Setup – Channel – IP Channels

Click on the  icon in the "edit" column.

Set the Switch mode to "manual mode". Click "OK"



Add the Dahua to IVSEC NVR using:

IP address of camera

Protocol: Onvif

Port number: 80

Username: admin

Password: The Dahua camera Password

Example below:



Click [HERE](#) to watch a video explaining how to configure an IVSEC channel to manually to add a camera via onvif protocol (watch from 3min onwards)

IMPORTANT: It may take approx. 2 minutes for the Dahua camera to appear on the screen