

FIP-460 Camera Setup  
For Use With  
TZT1, TZT2, and TZT3

# FIP-460 IP Camera Setup

The following steps are to provide a method to connect the Furuno FIP-460 camera through a static IP address. for use on TZT1, TZT2, or TZT3 Navnet networks. For TZTXL please use the automatic setup.

## Connection of Camera on to the Furuno Network

The FIP-460 can be powered through two different choices: 12 VDC wired to the camera or Injecting power through a POE Hub/Module. The following wiring diagrams give examples integrating the FIP into a Furuno network.

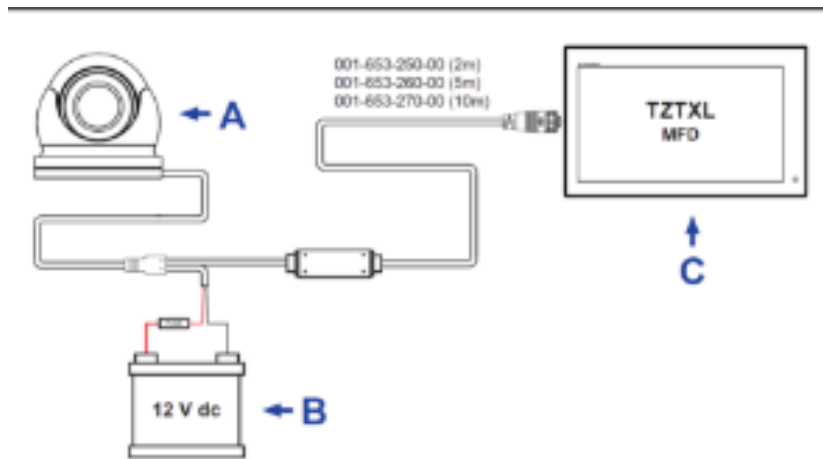


Figure 1 FIP-460 wired through 12VDC direct

### Cameras Powered by PoE Hub

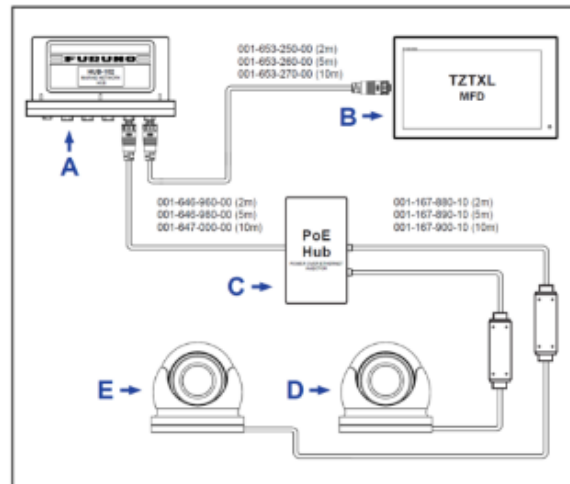
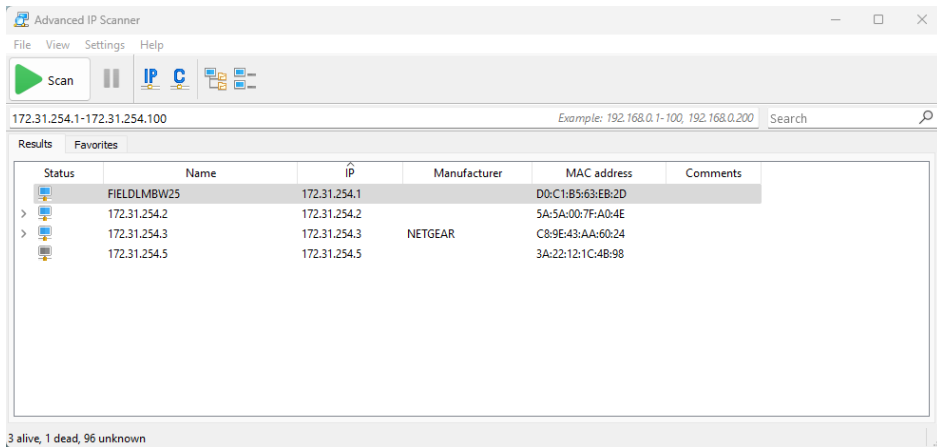


Figure 2 FIP-460 powered through POE Hub

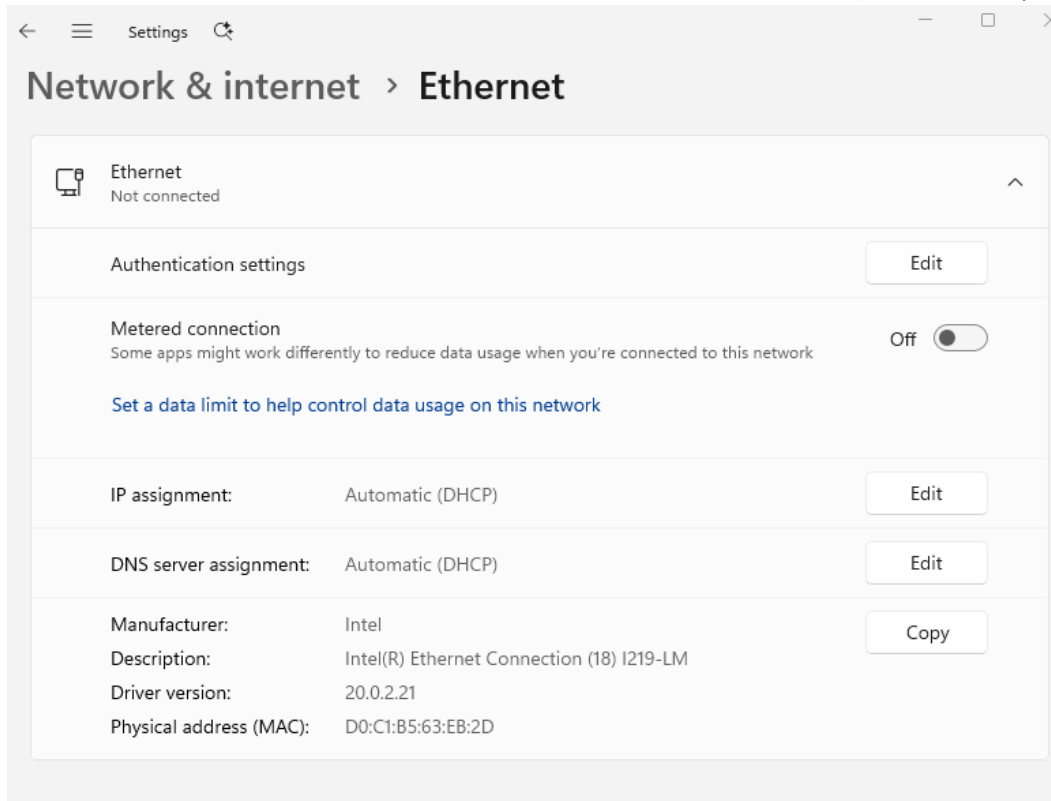
# Configuring FIP-460 for the Furuno Network

The steps below will go through the most effective method of configuring the FIP-460 IP camera for use on TZT1, TZT2, or TZT3 Navnet networks. (For TZTXL please use the automatic setup).

1. Plug in a computer or laptop into your Furuno network that the camera is installed on. Alternatively, you can plug the camera directly into your computer network port for configuration.
2. After verifying that the camera is powered on, open an IP scanner application on your computer. Identify the camera and the associated IP address. (In the example below it the 172.31.254.2)



3. Adjust your computer's network configuration to match that of the camera's current IP address structure. Home->Settings->Network&Internet->Ethernet->IP Assignment->**Edit**->Change from Auto to Manual->Edit IPv4 to the same address structure but NOT the same address as the camera (like the example shown).



### Edit IP settings

Manual ▼

#### IPv4

On

IP address

172.31.254.150

Subnet mask

255.255.0.0 ×

Gateway

Preferred DNS


DNS over HTTPS

Off ▼

Alternate DNS

Save Cancel

## Network & internet > Ethernet

 furuno.com  
No internet ^

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Authentication settings Edit

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Metered connection Off   
Some apps might work differently to reduce data usage when you're connected to this network  
[Set a data limit to help control data usage on this network](#)

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IP assignment:	Manual	
IPv4 address:	172.31.254.150	<span>Edit</span>
IPv4 mask:	255.255.0.0	

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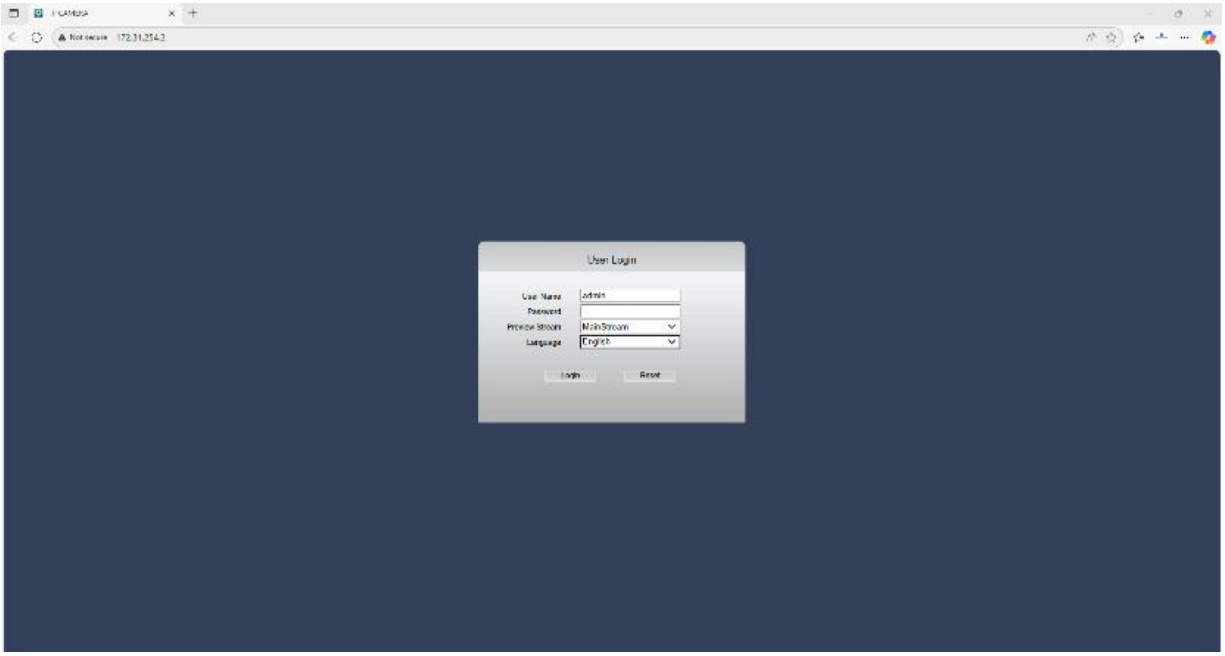
DNS server assignment:	Automatic (DHCP)	<span>Edit</span>
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If running older versions of windows and need help changing adapter settings, please search for specific online procedures like "How do I change my IP address with Windows XP?"

- 4. Use the computer's web browser (Edge, Firefox, Chrome) to access the camera's interface by going to the exact IP address of the camera. There will not be a password on the login page.

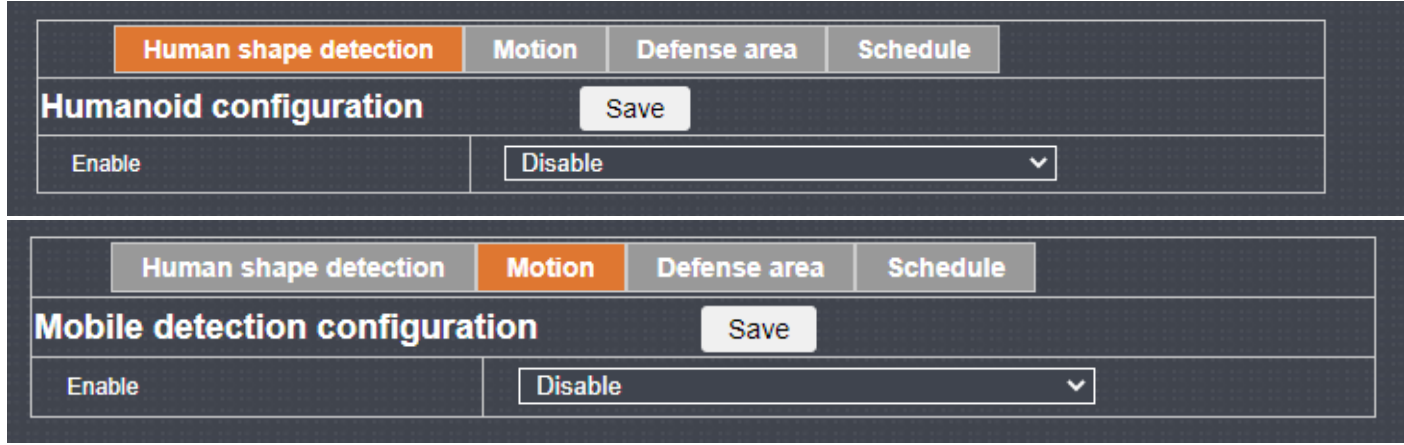
USER: admin

Password:(Leave this blank)



- 5. After logging onto the camera go through the following settings and adjust as shown. Save along the way. You will adjust the camera's IP address as the last step.

**AI Intelligence:**  
**Intelligence detection:**



## Video Alarm:

<b>Audible alarm</b>	Schedule
<b>Audible alarm</b>	Save
Audible alarm	Disable

## Overlay Settings:

<b>Overlay settings</b>	Save
MainStream	<input type="checkbox"/> Human frame <input type="checkbox"/> Protective frame
Subcode stream	<input type="checkbox"/> Human frame <input type="checkbox"/> Protective frame

## Remote Settings:

### Camera Configuration:

<b>OSD Config</b>	Save
Name	<input type="text"/> +
Additional Overlay Information	No superposition
Channel Display	Disable
Time Display	Disable



# Image Control

Default

Smart Night	Common vision
Image Mode	Faceless exposure mode
IR-CUT Mode	automatic (active mode)
IR-CUT Sensitivity	<input type="range" value="20"/> 20
IR-CUT Delay	<input type="range" value="3"/> 3
IR-CUT Reverse	Close

Brightness	<input type="range" value="50"/> 50
Contrast	<input type="range" value="50"/> 50
Saturation	<input type="range" value="50"/> 50
Hue	<input type="range" value="50"/> 50
Sharpness	<input type="range" value="50"/> 50
Flicker Control	60HZ
Iris Type	Manual
Time Exposure	Auto
Gain	Auto
White Balance	Auto
3D Noise Reduction	Auto
BLC	Close
WDR	Auto
Image Flip	Close



## Network Config:

### Port Config

Save

HTTP Port	<input type="text" value="80"/>
Command Port	<input type="text" value="6060"/>
Media Port	<input type="text" value="6066"/>

Change the parameters will restart.

### Third party agreement

Save

Third party agreement	<input type="text" value="Disable"/>
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Change the parameters will restart.

### RTSP Config

Save

RTSP Port	<input type="text" value="554"/>
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MainStream rtsp://IP:Port/live/0/MAIN

SubStream rtsp://IP:Port/live/0/SUB

### P2P Config

Save

P2P	<input type="text" value="Disable"/>
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Change the parameters will restart.

## Code Config:

<b>Main Stream</b>		<b>Sub Stream</b>
<b>MainStream</b>		<b>Save</b>
Stream Type	Video Stream	
Video Codec	H.264	
Resolution	720P(1280*720)	
I frame interval	25	(1-200)
FPS	25	(fps)
Rate Control	VBR	
Quality	Medium	

<b>Main Stream</b>		<b>Sub Stream</b>
<b>SubStream</b>		<b>Save</b>
Stream Type	Video Stream	
Video Codec	H.264	
Resolution	360P(640*360)	
I frame interval	25	(1-200)
FPS	25	(fps)
Rate Control	VBR	
Quality	Medium	

<b>Audio Parameters</b>		<b>Save</b>
Audio Stream	Line-in	
audio-in codec	G711A	
Input volume	<input type="range" value="0"/>	
Output volume	<input type="range" value="0"/>	

<b>Capture configuration</b>		<b>Save</b>
Image Resolution	640*360	
Image Quality	Low	

## Alarm Config:

<b>Alarm Out</b>	
<b>Alarm Out</b>	<b>Save</b>
Alarm Out	1
AlarmOut Name	AO01
AlarmOut Delay	Customize
	10 (1~600) (Second)

## System Config:

<b>Date/time</b>		<b>DST</b>
<b>Date/time</b>	<b>Save</b>	
Date format	YY-MM-DD	
Time format	24Hour	
Device date time	2021-01-03 07:21:49	<b>Sync with PC date time</b>
NTP Timing	Close	

<b>Date/time</b>	<b>DST</b>
<b>DST</b>	<b>Save</b>
Enable DST	Close

### User Management

Save

NO.	User Name	Enable/Disable
1	admin	Enable
2	user1	Disable
3	user2	Disable
4	user3	Disable
5	user4	Disable
6	user5	Disable

User Name:

Password:

Enable/Disable:

User1 ~ user5 cannot modify device parameters!

**Save all of these settings before moving onto adjusting the IP address of the camera**

- After adjusting the camera settings, locate and click on the **Remote settings tab** at the top of the screen.

Live | AI Intelligence | **Remote Setting** | Local Setting | Logout

#### Camera Config

- OSD Config
- Image Control
- Privacy Zone

#### Network Config

#### Code Config

#### Alarm Config

#### System Config

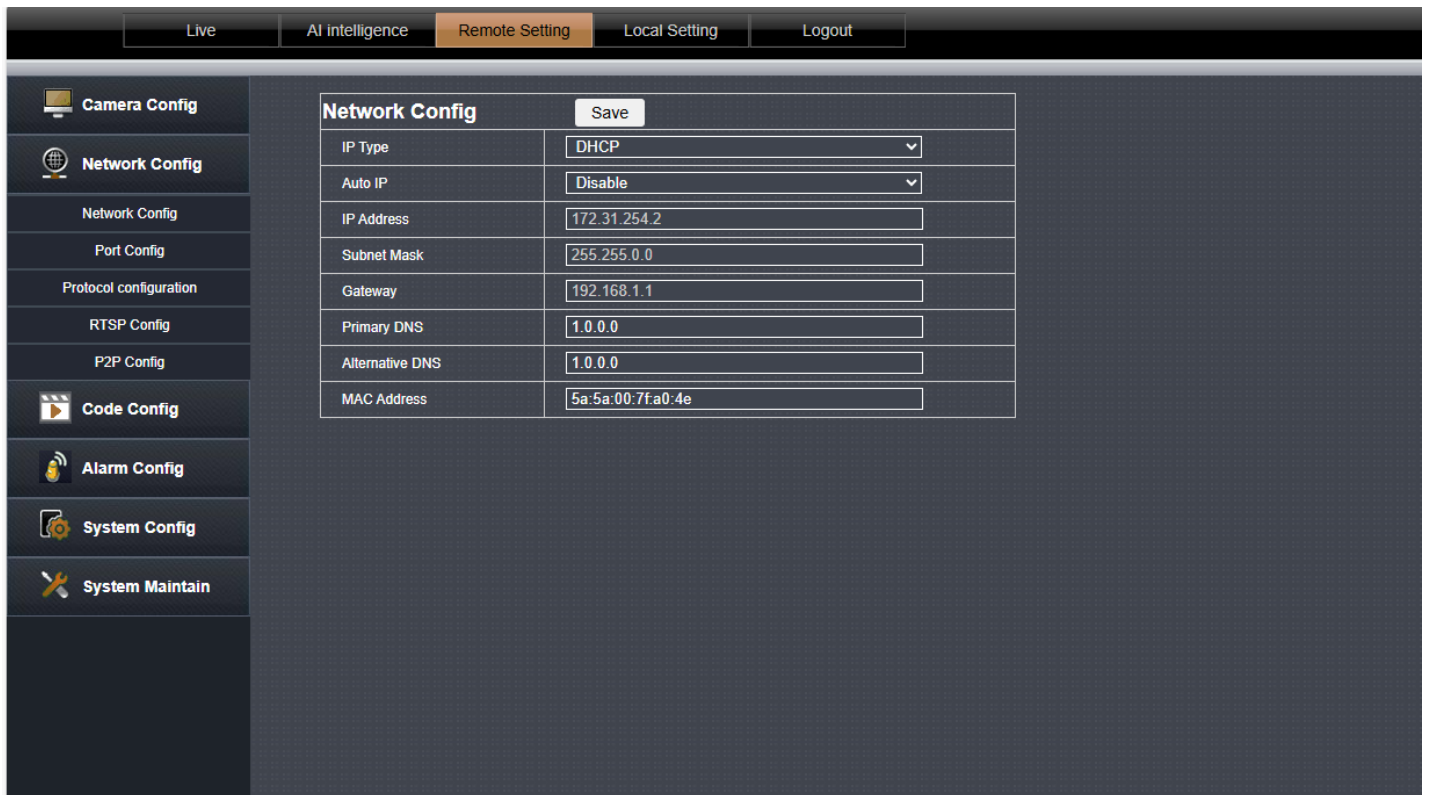
#### System Maintain

### OSD Config

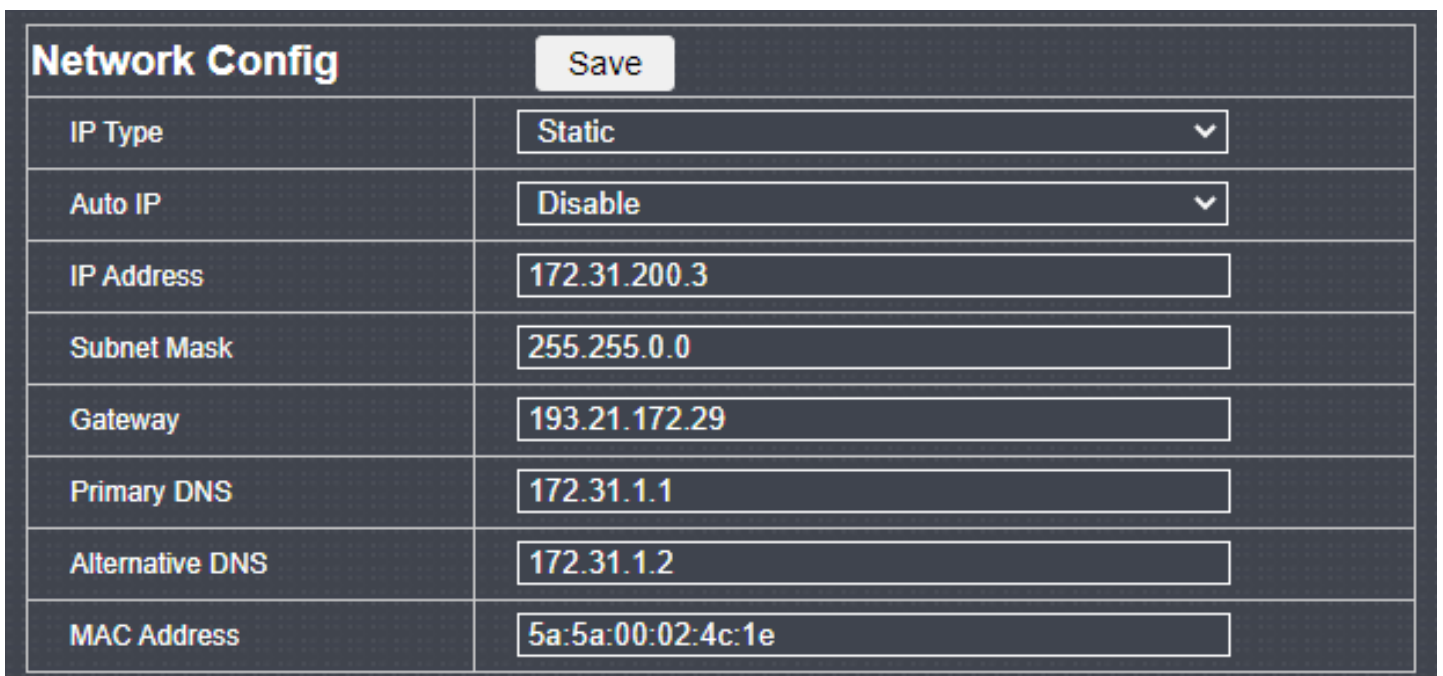
Save

Name	<input type="text" value="FIP-460"/>
Additional Overlay Information	<input type="text" value="No superposition"/>
Channel Display	<input type="text" value="Disable"/>
Time Display	<input type="text" value="Disable"/>

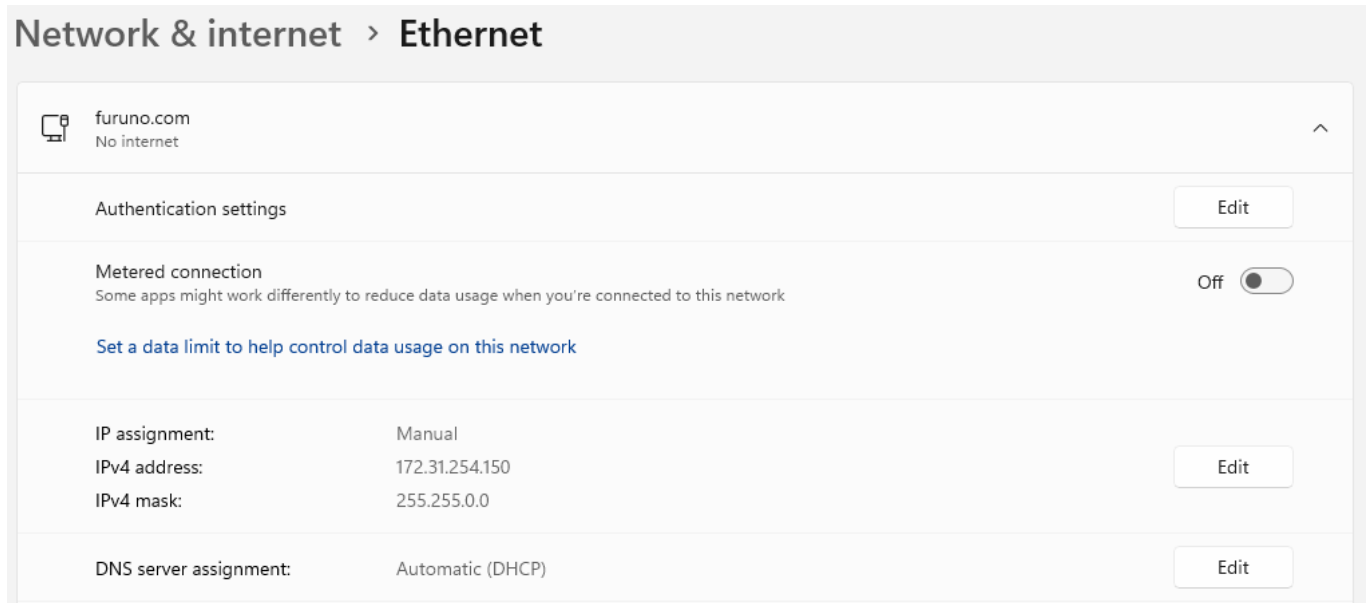
7. Click on “Network Config” on the left side of the interface.



8. Change the IP type from DHCP to **Static**. The IP address should then be changed to something in the range of (172.31.200.3,4,5,6) depending on how many cameras you have previously installed. Save the changes.



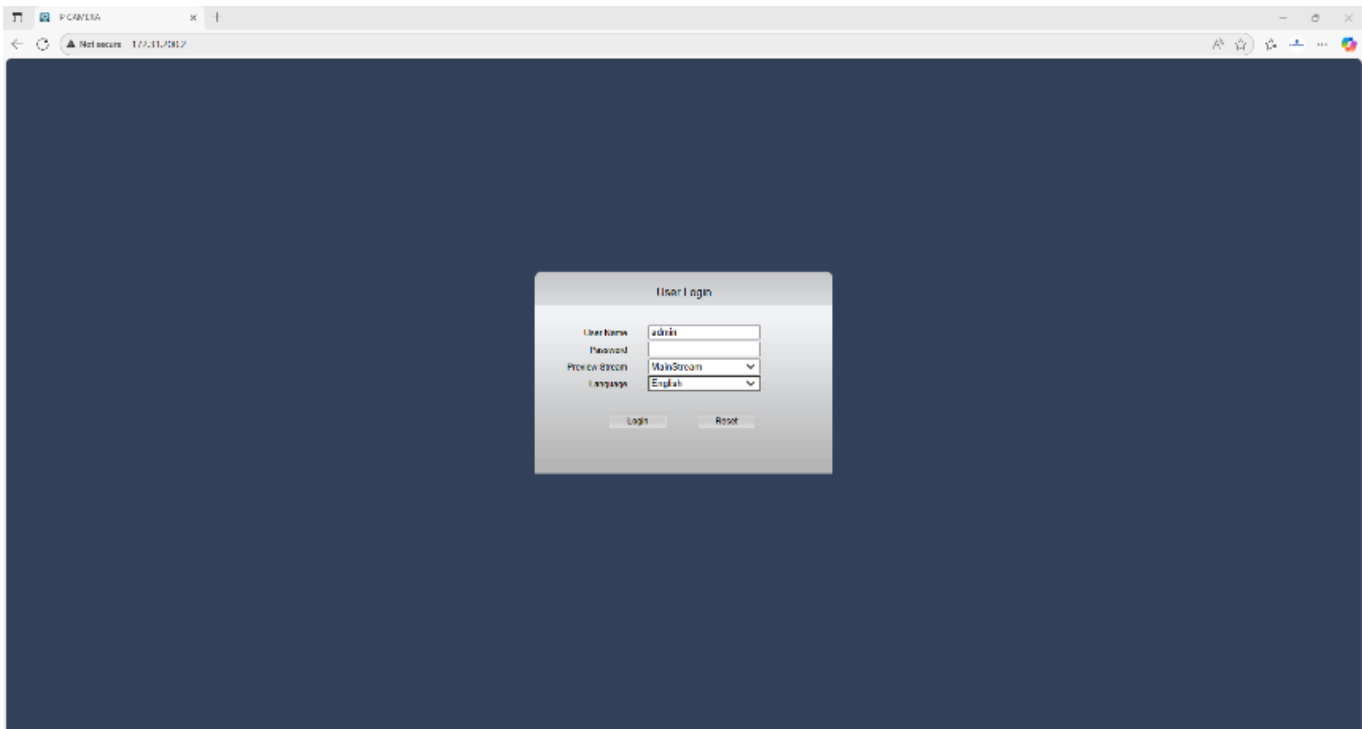
- Go back to your computer's ethernet settings and adjust to IP address of 172.31.200.150 (If previously had been using a different address structure)



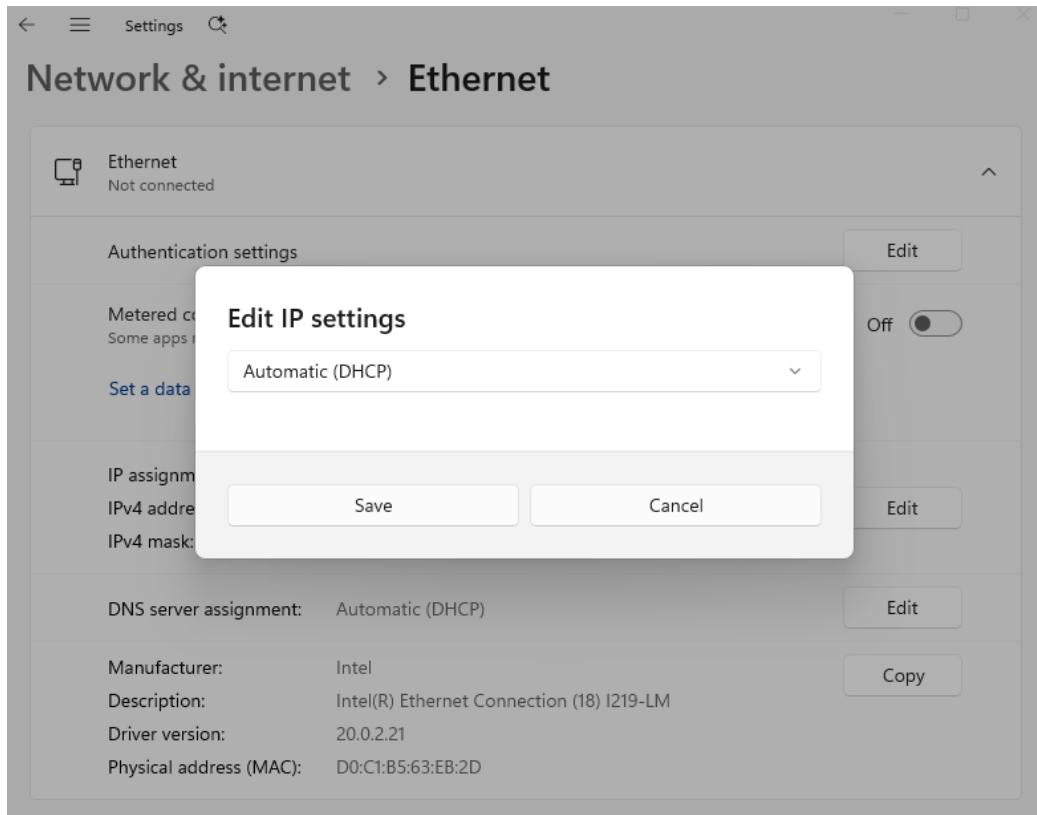
- Reload the web browser with the updated FIP-460 IP address (In example the address bar shows 172.31.200.3)

USER: admin

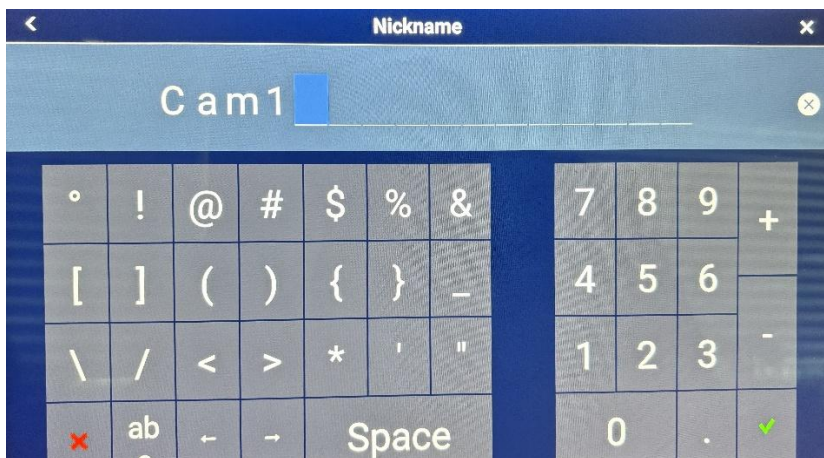
PASSWORD:(Leave this blank)



11. Once you have confirmed that the camera is working on the new IP address, disconnect the camera and switch the computer's IP setup back to automatic (DHCP) for normal use.



12. The Camera is now configured for use on the TZT1, TZT2, or TZT3 NAVNet network. It would be advised to establish a descriptive "Nickname" for the camera under HOME-SETTINGS-CAMERA-IP Camera (1,2,3,4) for each respective IP camera installed.



END

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