

Configuring IRIS-S460 cameras on compatible Furuno MFD's.

You can configure up to 4 x IP cameras directly on a compatible Furuno chart plotter. It is possible to add a fifth camera but this requires a little more configuration. This is detailed below.

To configure a camera on the Furuno interface the general procedure is to choose the desired camera slot and enter the appropriate IP address of the camera.

As standard, IRIS-S460 cameras are shipped with their addresses set to DHCP (Dynamic Host Control Protocol) – which means they do not have an IP address set and they are waiting to receive an address from a DHCP server on the network. Furuno chart-plotters act as DHCP servers so they will assign an address to any devices connected on the same network. Despite this, you will still need to enter the address the Furuno MFD assigns each camera back in to the configuration page for the camera.

For example, assuming there are four cameras connected to the Furuno network, and no other devices are currently or have been connected, the MFD should assign addresses accordingly:

Slot 1 172.31.254.1
Slot 2 172.31.254.2
Slot 3 172.31.254.3
Slot 4 172.31.254.4

If there are other devices connected, or if other devices have been connected the past and the above address have already been assigned, then these address may differ. This is nothing to worry about, you will just need to make a note of each address on the camera and configure the MFD accordingly.

The easiest way to establish what addresses have been assigned to the cameras by the Furuno MFD is to use a laptop or PC and run an IP Scanner program such as ONVIF Device Manager. This can be downloaded from:

<https://sourceforge.net/projects/onvifdm/>

Please note; this is a third party application and not an Iris product, therefore we cannot guarantee it's availability to download. If you have any issues obtaining the tool please contact Iris for assistance.

With the Onvif Device Manager tool installed on your computer, you can now connect your computer to the network and scan for connected IRIS-S460 cameras. Please note, your computer needs to be set to the same IP address range as the cameras in order to detect. This can either be done manually, or you may prefer to set your computer to DHCP so it too gets an address in the same range from the Furuno MFD. Details on how to change IP address settings on your computer varies in accordance with your operating system. Refer to the instructions relating to your operating system if necessary.

With your computer set to the correct IP address range and the ONVIF Device Manager App installed and running, simply Refresh the device list and after a few seconds you should see the list populate with address details of all connected cameras. You can now make a note of these ready to input into the MFD interface as follows:

- 1) From the HOME screen, select **Settings**.
- 2) From the SETTINGS window, select **Cameras**.
- 3) You will see the four available camera slots in the Camera List. Configure each slot as required by selecting the desired row to bring up the Virtual Keyboard window and then using this to enter the IP address details for each device as required.
- 4) You can give each camera slot a name by selecting the **Nickname** row for each camera and using the Virtual Keyboard to enter a name as required.

To add a fifth camera, select the **Video Streaming** slot and in the URL row use the Virtual Keyboard to add the full URL of the fifth cameras video stream. You can configure either the Main stream or Sub stream of the camera accordingly:

Main Stream: 172.31.254.5/live/MAIN
Sub Stream:: 172.31.254.5/live/SUB

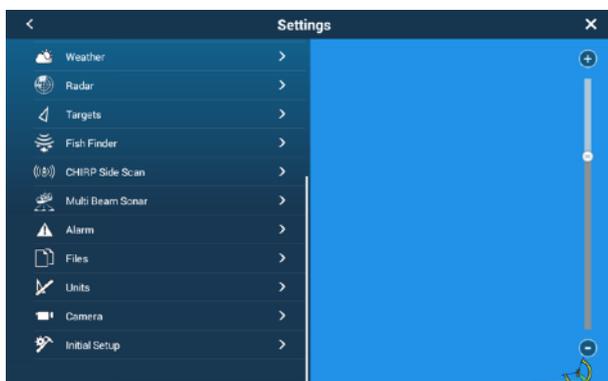
Please note, Furuno limits resolution of cameras 1~4 to Sub Stream only (800x448), and the fifth (Video Stream) camera can be user defined to either Mainstream or Sub Stream as detailed above.

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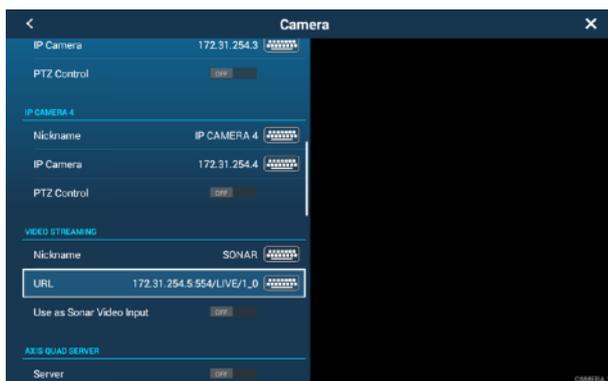
- 1) From the HOME screen, select **Settings**.



- 2) From the SETTINGS window, select **Cameras**.



- 3) You will see the four available camera slots in the Camera List. Configure each slot as required by selecting the desired row to bring up the Virtual Keyboard window and then using this to enter the IP address details for each device as required.



PLEASE NOTE:

If the Camera option is not present in the Settings list, this feature will need enabling in the chart plotters initial set up section. Consult your Furuno engineer or Furuno Configuration instructions for details on how to do this.

These instructions are correct at time of publishing but may change in accordance with firmware updates. Please contact your Furuno Support Specialist or Iris in the event of any inconsistencies.

