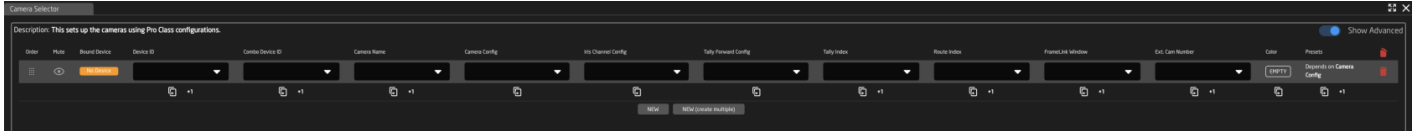



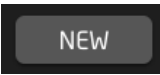
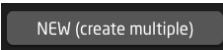


# Camera Select

An example of a setup table would be a camera selector and can be seen below. These can be different depending on the selected configuration. From here the order on the camera selector row of the panel will be set as well as the desired name on the displays.



Column	Description
Order	Allows for quick rearranging of camera order. Right clicking on drag will allow for deleting the row.
Mute	Allows for removing access to a specific camera or to leave a blank spot on the panel
Bound Device	Allows for the selecting of a specific connected camera
Device ID	Ties the camera selector to the specific device. This is found in the Devices section. Each device will have a unique device number per device core. This box should auto-populate when a camera is selected in binding
Combo Device ID	The Device ID associated with the combo device (usually a pan/tilt head) when creating a combo device to present as a single device on the panel.
Camera Name	Customizable name to appear on the displays. Character limit is determined by size of display and can vary.
Camera Config	Selects the protocol based configuration associated with camera. Needed protocol can be seen in the Devices section, each device is grouped into their native protocols. <b>Double check the correct configuration is selected. Improper selection will effect camera control.</b>
Iris Channel Config	Selects the needed protocol for Iris/Master Black control. For cameras without a variable lens this will follow the same protocol as the device. For cameras with a variable lens, select the protocol for the attached lens. <b>Not available on all configuration classes.</b>
Tally Forward Config	Selects the needed protocol for Tally to the cameras. . <b>Not available on all configuration classes.</b>
Tally Index	Sets the Tally Index number to connect with associated tally source device. See Blue Pill/Reactor Manual for more information. <b>This column does not need to be filled out for standard operation.</b>

Route Index	Sets the Route Index number to connect with associated routing device. See Blue Pill/Reactor Manual for more information. <b>This column does not need to be filled out for standard operation. Additionally, if needing to route to multiple destinations, additional cells need to be added. See instructions below.</b>
FrameLink Window	Sets the FrameLink Window value associated with the FrameLink device core for use with FrameLink compatible devices. See Blue Pill/Reactor Manual for more information. <b>This column does not need to be filled out for standard operation.</b>
Ext. Cam Number	Sets an External Camera Select number that is used in a virtual trigger to allow for syncing the camera select between multiple panels.
Color	Allows for the selecting of a custom color for the camera select buttons. <b>This would be overridden as needed if Tally Forwarding from a switcher is set up.</b>
Presets	Customize name and color for presets associated with specific camera configurations.
	Delete the row.
	Duplicates the details of the column.
	Increments the number in the column by +1.
	Adds a new line to create additional camera selects.
	Opens a table to create multiple new camera selects. <b>See Batch Create section below.</b>

## Adding a New Cell to a Column

Some of the settings table columns allow for multiple multiple cells to be added per row. To add or delete a cell, right click on it to select Add cell or Delete cell.



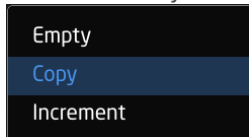
## Batch Create

### Batch Create Rows

Amount of rows to create

Select population behavior for each column:

Column name	Population behavior	Focused row value
Device ID	Copy ▼	1
Combo Device ID	▼	Combo Device ID
Camera Name	Copy ▼	CR-N500
Camera Config	Copy ▼	SKAARHOJ.Devices.Canon-XC.ProClass.Basic
Iris Channel Config	Copy ▼	SKAARHOJ.Devices.Canon-XC.IrisChannel
Tally Forward Config	▼	SKAARHOJ.Devices.Canon-XC.TallyForward
Tally Index	Copy ▼	1
Route Index	Copy ▼	1
FrameLink Window	▼	FrameLink Window
Ext. Cam Number	▼	Ext. Cam Number
Color	Copy ▼	Color
Presets	Copy ▼	Presets

Amount of Rows to Create	The number of additional rows to be created.
Column Name	Which settings table row's info being referenced.
Populate Behavior	Select if the settings table row is to be empty, copied, or incremented by 1. 
Focus Row Value	Current value of the settings table row to be left empty, copied, or incremented in the new rows.

## Combo Device Set Up

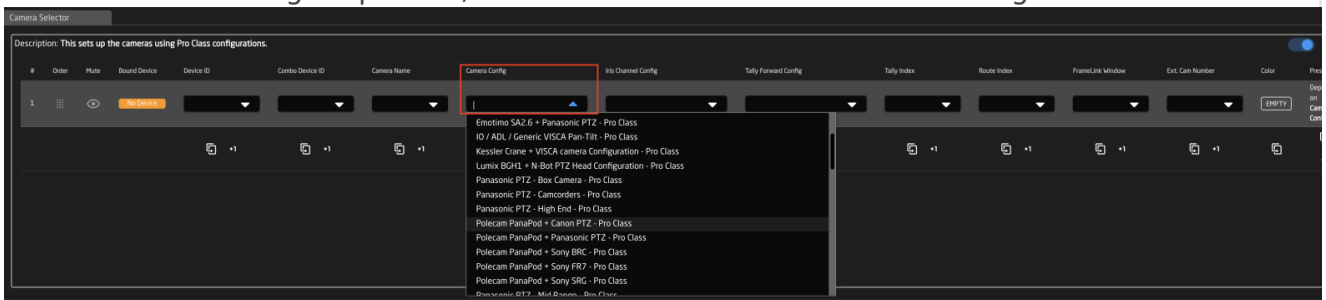
For camera control we have made a large number of default configuration to control combo devices. These are most frequently a camera plus a pan/tilt head or pedestal.

Combo devices using our default configurations are set up from the camera select.

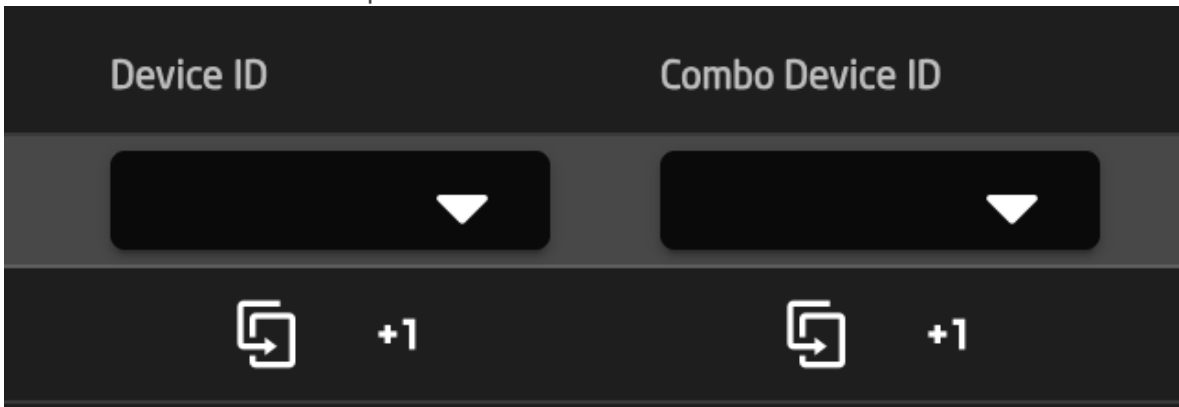
### 1. Enable Show Advanced

This can be done after adding the camera or start with a blank line in the camera selector. Holding Shift while pressing New will allow for you to add a blank line in the table without first selecting a device.

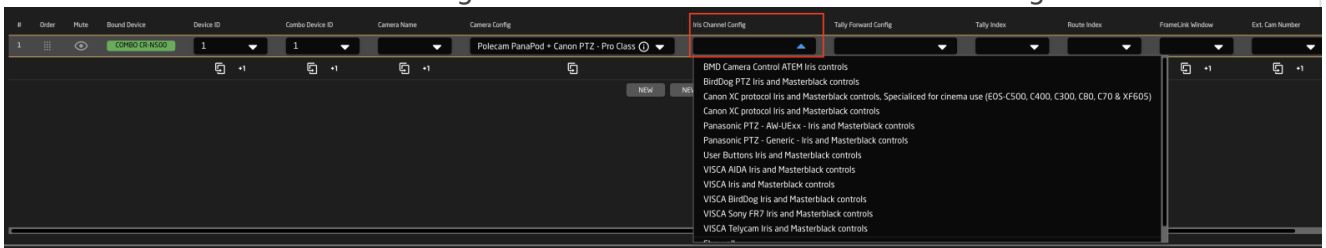
### 2. In the Camera Config drop down, select the desired combo device configuration.



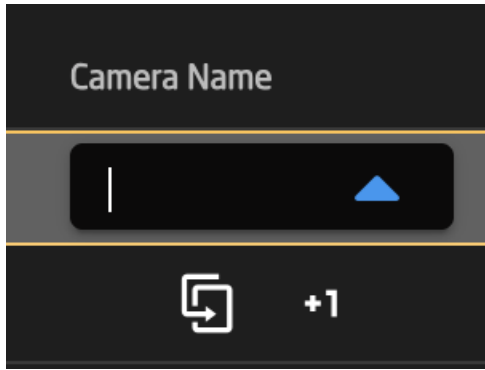
### 3. To tie the configuration to the specific devices, enter the Device ID numbers associated with them in the Device ID and Combo Device ID column. The Device ID will be for the camera and the Combo Device ID will be for the other non camera device. You can find the specific Device ID number for each device in device details.



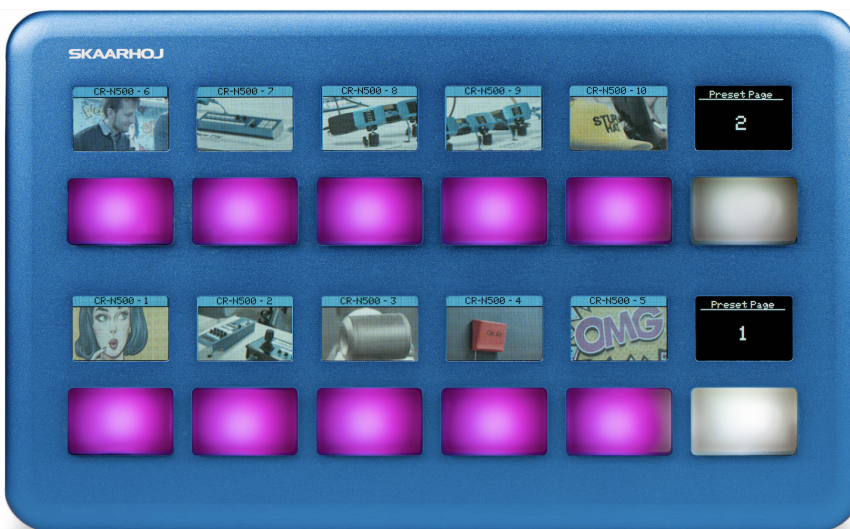
### 4. Make sure the Iris Channel config is set to match the camera that is being control.



- Set the Camera Name to whatever fits the operator's workflow.



- Other fields are to be filled out based on need according the table at the top of the page.
- The combo device should not be set up and ready to test.



The Skaarhoj Frame Link

package combined with an HDMI Video Capture card allows for thumbnail presets images on compatible SKAARHOJ panels like the Frame Shot from any HDMI source.

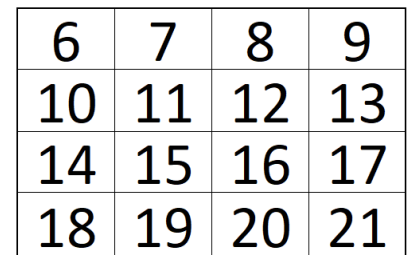
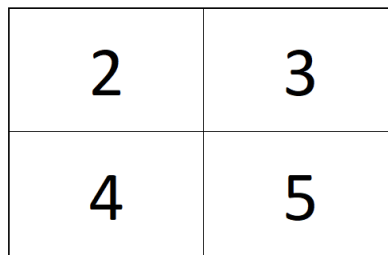
core-skaarhoj-framelink	Core that enables frame grabbing for use with devices that does not provide this functionality as the default	alpha	v0.1.2	<a href="#">Install</a>
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At time of writing we have only tested the HDMI Video Capture stick below so would not be able to say how other models perform.



Please note, some PTZ camera models natively support thumbnail presets like the Canon CR-N500. The FrameLink package, Framelink Window, and the HDMI Video Capture stick are not needed for those models of cameras. This is only for cameras or other devices that do not natively support this feature.

The breakdown of the 21 FrameLink Window options is seen below. The incoming HDMI feed can be broken up into either full picture, a 2x2 grid, or a 4x4 grid.



Entering the corresponding squares number into the FrameLink Window section of the Camera Selector's settings table will use that portion of the image as the thumbnail for the preset. In general the grids are for use with a multiviewer.

Name: Camera Selector		Description: This sets up the cameras using Standard Class configurations.					
Drag	Mute	Binding	Device Number:	Camera name:	Use device configuration:	Tally Index:	FrameLink Window:
⋮	👁️	CR-N500	1	CR-N500	SKAARHOJ.Devices.Canon-XC.StdClass.basic		2
⋮	👁️	CR-N300	2	CR-N300	SKAARHOJ.Devices.Canon-XC.StdClass.basic		3

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