



Manufacturer: Sony
Models: SRG-A12, SRG-A40
Device Type: PTZ Cameras

TABLE OF CONTENTS

GENERAL INFORMATION.....	2
INITIAL SETUP	2
PLUGIN PAGES (CONTROL).....	3
PLUGIN PAGES (CUSTOM)	6
ADDITIONAL INFORMATION	17



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GENERAL INFORMATION

Q-SYS PLUGIN NAME:	Sony SRG-A12 and SRG-A40 Auto Framing Cameras									
VERSION:	1.0									
AUTHORED BY:	Control Concepts, Inc.									
SUMMARY:	This Q-Sys Plugin controls the SRG-A12 and SRG-A40 models of Sony Auto Framing Cameras using either the CGI or VISCA over IP protocols.									
GENERAL NOTES:	<p>To drop this plugin into your Q-SYS Design, navigate to the Asset Manager in Q-SYS Designer, locate the plugin, and install it. It will then be available in the ‘Schematic Elements’ window under Plugins > Asset Manager > Sony > Auto Framing Cameras</p> <p>Using CGI: There is an image window on the Auto Framing page of the plugin. It is important to note that this is not a live feed. It is updated using the “GET CURRENT VIEW” trigger button.</p> <p>The following settings must be set to control the camera using CGI protocol. In the camera settings page:</p> <table><tr><th>Menu</th><th>Setting</th><th>Values</th></tr><tr><td>Settings > Security > SSL</td><td>Function</td><td>Disable</td></tr><tr><td>Settings > Security > Referer Check</td><td>Setting</td><td>Off</td></tr></table> <p>Using VISCA over IP: To control the camera using VISCA over IP, set dip switch 3 on the back of the camera to the “ON” position. Only ONE (1) plugin can be used at any time if utilizing VISCA over IP due to the nature of UDP communication. If more are needed, then it is necessary to use the CGI protocol.</p>	Menu	Setting	Values	Settings > Security > SSL	Function	Disable	Settings > Security > Referer Check	Setting	Off
Menu	Setting	Values								
Settings > Security > SSL	Function	Disable								
Settings > Security > Referer Check	Setting	Off								
DEVICE USED FOR TESTING	QSC Q-SYS Core 110f (Q-Sys Designer 10.0.0)									

INITIAL SETUP



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PROPERTIES

Model: Choose either SRG-A12 or SRG-A40

Protocol: Choose either CGI or VISCA. Note that the command set is smaller for VISCA over IP so there are fewer available commands.

Preset Count: Specifies the number of presets available in the plugin.

Debug Level: Specifies the debug logging level, options include:

- Off: No messages are logged.
- Device Communication: Messages related to plugin connection and device communication are logged.
- Troubleshooting: All messages are logged.

Debug Output: Specifies where debug logging messages are sent to, options include:

- Console: Messages are printed to the debug output console.
- Console and Log: Messages are printed to the debug console and written to the core log.

Show Debug: Shows or hides the debug output console of Q-SYS Designer. While showing, debug messages written to the console by the plugin will be visible.

PLUGIN PAGES (Setup - CGI)



Manufacturer: Sony
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IP ADDRESS	Specifies the network IP address configured in the plugin properties. Changing the IP address through the corresponding pin at runtime will automatically reinitialize the plugin. <i>[String Input, Output]</i>
USERNAME	Enter the username of the admin user. <i>[String Input, Output]</i>
PASSWORD	Enter the password of the admin user. <i>[String Input, Output]</i>
COMMUNICATING	Indicates if communication over the network has been established. <i>[Boolean Output]</i>
INITIALIZED	Indicates if all required states have been received from the camera and that the plug is ready to be used. <i>[Boolean Output]</i>

PLUGIN PAGES (Setup - VISCA)

IP ADDRESS	Specifies the network IP address configured in the plugin properties. Changing the IP address through the corresponding pin at runtime will automatically reinitialize the plugin. <i>[String Input, Output]</i>
COMMUNICATING	Indicates if communication over the network has been established. <i>[Boolean Output]</i>
INITIALIZED	Indicates if all required states have been received from the camera and that the plug is ready to be used. <i>[Boolean Output]</i>



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SONY

PTZ AUTO FRAMING CAMERA
PLUGIN v1.0.0.0

STATUS:

COMMUNICATING: ☐
INITIALIZED: ☐

CONNECTION

IP ADDRESS:

USERNAME:

PASSWORD:

SONY

PTZ AUTO FRAMING CAMERA
PLUGIN v1.0.0.0

STATUS:

COMMUNICATING: ☐
INITIALIZED: ☐

CONNECTION

IP ADDRESS:



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PLUGIN PAGES (PTZ - CGI)

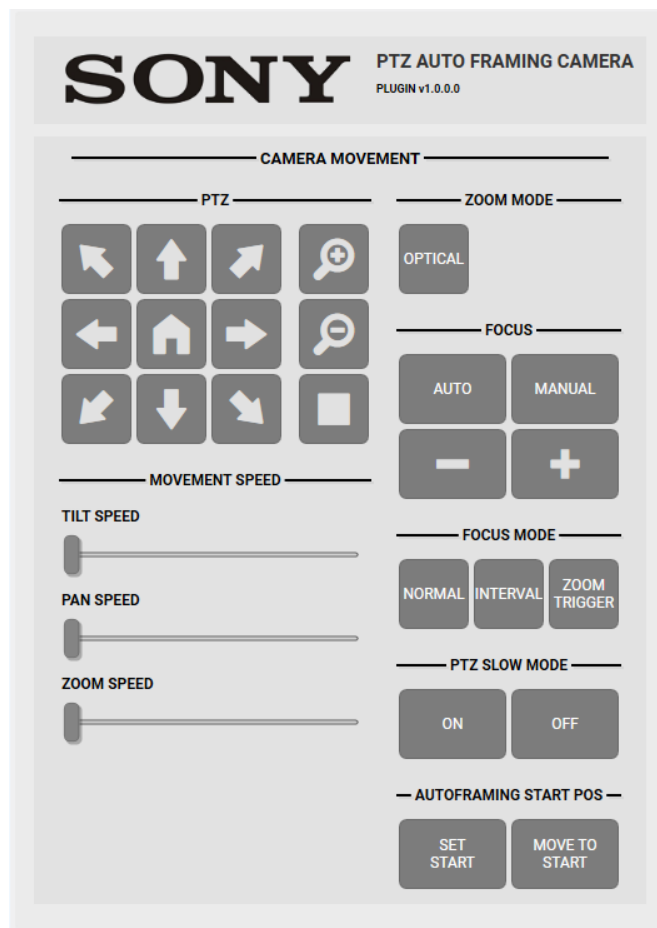
PAN/TILT/ZOOM	<p>Press these buttons to move the camera in the desired direction. The camera will begin movement when the button is pressed or the Boolean set to true. The camera will stop movement when the button is released or the Boolean set to false.</p> <p><i>[Boolean Input, Output]</i></p>
HOME	<p>Trigger this button to return the camera to its home position.</p> <p><i>[Boolean Input, Output]</i></p>
STOP	<p>Trigger this button to stop any movement of the camera.</p> <p><i>[Boolean Input, Output]</i></p>
TILT SPEED	<p>Adjust this slider to change how fast the camera moves up or down when using the PTZ controls. Range: 0-24</p> <p><i>[Value Input, Output]</i></p>
PAN SPEED	<p>Adjust this slider to change how fast the camera moves left or right when using the PTZ controls. Range: 0-23</p> <p><i>[Value Input, Output]</i></p>
ZOOM SPEED	<p>Adjust this slider to change how fast the camera zooms in or out when using the PTZ controls. Range: 0-32766</p> <p><i>[Value Input, Output]</i></p>
ZOOM MODE – OPTICAL	<p>Press this button to set the Zoom Mode to Optical.</p> <p><i>[Boolean Input, Output]</i></p>
ZOOM MODE – CLEAR IMAGE	<p>Press this button to set the Zoom Mode to Clear Image.</p> <p><i>[Boolean Input, Output]</i></p>
ZOOM MODE – FULL	<p>Press this button to set the Zoom Mode to Full.</p> <p><i>[Boolean Input, Output]</i></p>
FOCUS – AUTO	<p>Press this button to set the Focus control to Auto.</p> <p><i>[Boolean Input, Output]</i></p>
FOCUS – MANUAL	<p>Press this button to set the Focus control to Manual.</p> <p><i>[Boolean Input, Output]</i></p>



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FOCUS – WIDE (- or out)	Press this button to manually move the focus out. <i>[Boolean Input, Output]</i>
FOCUS – TELE (+ or in)	Press this button to manually move the focus in. <i>[Boolean Input, Output]</i>
FOCUS MODE – NORMAL	Press this button to set the Focus mode to Normal. <i>[Boolean Input, Output]</i>
FOCUS MODE – INTERVAL	Press this button to set the Focus mode to Interval. <i>[Boolean Input, Output]</i>
FOCUS MODE – ZOOM TRIGGER	Press this button to set the Focus mode to Zoom Trigger. <i>[Boolean Input, Output]</i>
PTZ SLOW MODE – ON	Press this button to turn on PTZ slow mode. <i>[Boolean Input, Output]</i>
PTZ SLOW MODE – OFF	Press this button to turn off PTZ slow mode. <i>[Boolean Input, Output]</i>
AUTOFRAMING SET START	Press this button to set the current frame as the AutoFraming starting position. <i>[Trigger Input, Output]</i>
AUTOFRAMING MOVE TO START	Press this button to move the camera to the established AutoFraming starting position. <i>[Trigger Input, Output]</i>

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PLUGIN PAGES (PTZ - VISCA)

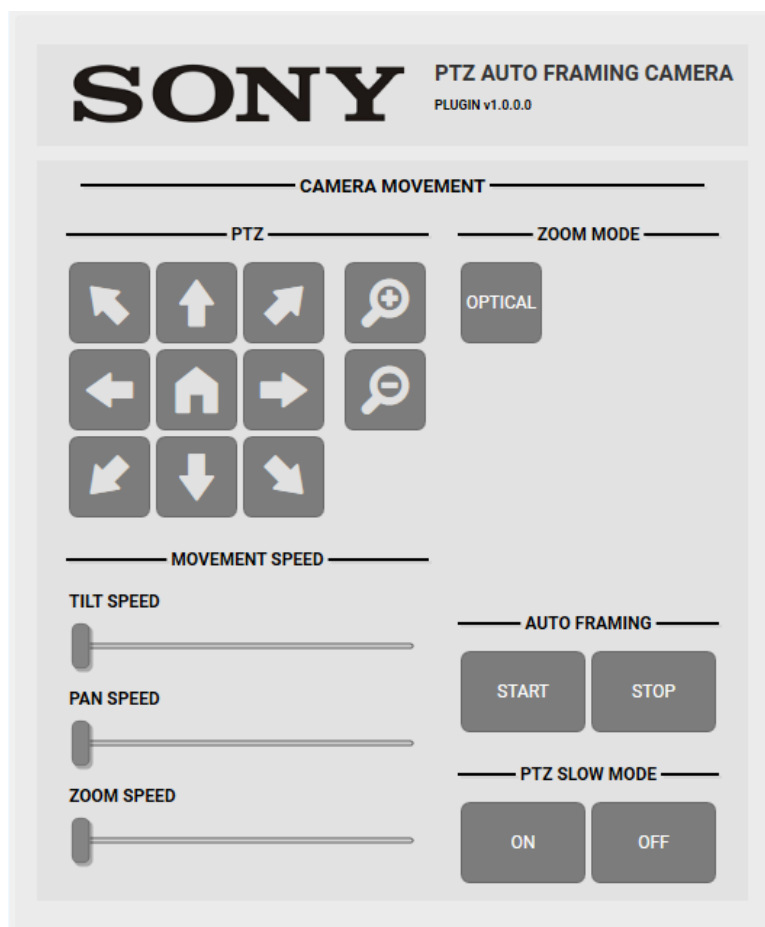
PAN/TILT/ZOOM	<p>Press these buttons to move the camera in the desired direction. The camera will begin movement when the button is pressed or the Boolean set to true. The camera will stop movement when the button is released or the Boolean set to false.</p> <p><i>[Boolean Input, Output]</i></p>
HOME	<p>Trigger this button to return the camera to its home position.</p> <p><i>[Boolean Input, Output]</i></p>
TILT SPEED	<p>Adjust this slider to change how fast the camera moves up or down when using the PTZ controls. Range: 0-17</p> <p><i>[Value Input, Output]</i></p>
PAN SPEED	<p>Adjust this slider to change how fast the camera moves left or right when using the PTZ controls. Range: 0-18</p> <p><i>[Value Input, Output]</i></p>
ZOOM SPEED	<p>Adjust this slider to change how fast the camera zooms in or out when using the PTZ controls. Range: 0-7</p> <p><i>[Value Input, Output]</i></p>
ZOOM MODE – OPTICAL	<p>Press this button to set the Zoom Mode to Optical.</p> <p><i>[Boolean Input, Output]</i></p>
ZOOM MODE – CLEAR IMAGE	<p>Press this button to set the Zoom Mode to Clear Image.</p> <p><i>[Boolean Input, Output]</i></p>
ZOOM MODE – FULL	<p>Press this button to set the Zoom Mode to Full.</p> <p><i>[Boolean Input, Output]</i></p>
AUTO FRAMING – START	<p>Press this button to start Auto Framing movement.</p> <p><i>[Boolean Input, Output]</i></p>
AUTO FRAMING – STOP	<p>Press this button to stop Auto Framing movement.</p> <p><i>[Boolean Input, Output]</i></p>
PTZ SLOW MODE – ON	<p>Press this button to turn on PTZ slow mode.</p> <p><i>[Boolean Input, Output]</i></p>

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PTZ SLOW MODE – OFF

Press this button to turn off PTZ slow mode.

[Boolean | Input, Output]



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PLUGIN PAGES (Presets - CGI)

RECALL SPEED COMMON	<p>Press this button to set the recalling of presets using the speed set on the RECALL SPEED control.</p> <p><i>[Boolean Input, Output]</i></p>
RECALL SPEEP SEPARATE	<p>Press this button to set the recalling of presets using the speed set for each preset. That speed is shown below the thumbnail of each preset.</p> <p><i>[Boolean Input, Output]</i></p>
RECALL SPEED	<p>Adjust this slider to change how fast the camera moves when recalling a preset. It is also the value used to assign a separate speed to a preset. Range: 1-25</p> <p><i>[Value Input, Output]</i></p>
PRESET STORE	<p>Toggle this button to true and then select a preset to store the camera's current position and recall speed.</p> <p><i>[Boolean Input, Output]</i></p>
PRESET CLEAR	<p>Toggle this button to true and then select a preset to clear out a preset.</p> <p><i>[Boolean Input, Output]</i></p>
DELETE THUMBNAIL	<p>Toggle this button to true and then select a preset to delete the current saved thumbnail for that preset.</p> <p><i>[Boolean Input, Output]</i></p>
SET PRESET SPEED	<p>Press this button to set the separate recall speed of the preset to the value of the RECALL SPEED control.</p> <p><i>[Boolean Input, Output]</i></p>
IMAGE FREEZE	<p>Press this button to set the recalling of a preset to show a frozen image until the camera has stopped moving.</p> <p><i>[Boolean Input, Output]</i></p>
PRESETS X	<p>Press any of these buttons to recall the specific preset.</p> <p><i>[Trigger Input, Output]</i></p>



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PTZ AUTO FRAMING CAMERA
PLUGIN v1.0.0.0

PRESET SETTINGS

RECALL SPEED COMMON

RECALL SPEED SEPARATE

RECALL SPEED

PRESETS

STORE

CLEAR

DELETE THUMBNAIL

SET PRESET SPEED

IMAGE FREEZE

Preset 1

25

Preset 2

25

Preset 3

25

Preset 4

25

Preset 5

25

Preset 6

25



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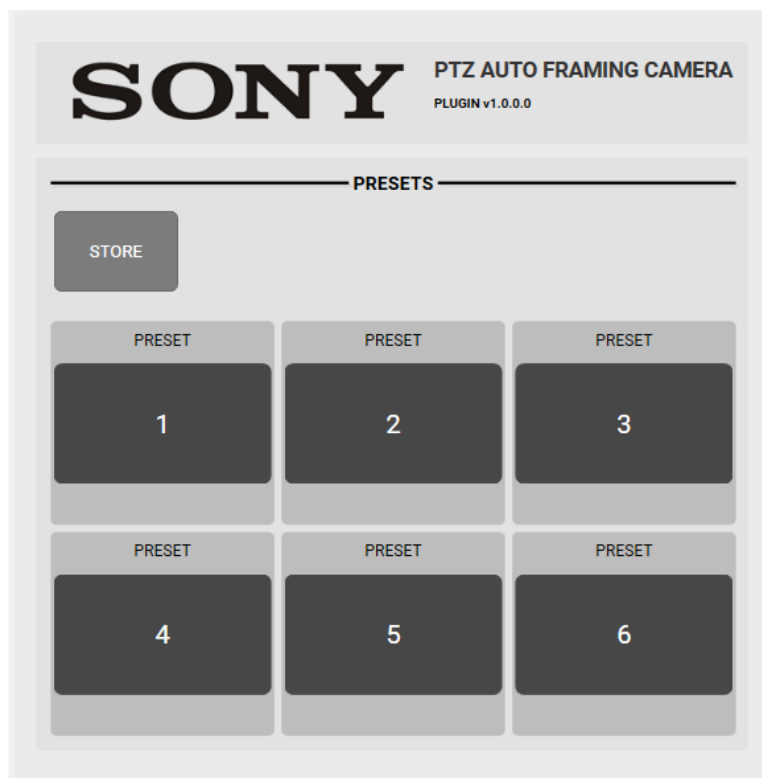
PLUGIN PAGES (Presets - VISCA)

PRESET STORE

Toggle this button to true and then select a preset to store the camera's current position.
[Boolean | Input, Output]

PRESETS X

Press any of these buttons to recall the specific preset.
[Trigger | Input, Output]





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PLUGIN PAGES (Auto Framing - CGI)

AUTO FRAMING – START	Press this button to start Auto Framing movement. <i>[Boolean Input, Output]</i>
AUTO FRAMING – STOP	Press this button to stop Auto Framing movement. <i>[Boolean Input, Output]</i>
LIVE PREVIEW	Press the button to enable/disable the Live Preview window. <i>[Boolean Input, Output]</i>
PREVIEW IMAGE	Shows the available frames from the motion JPEG stream of the camera when LIVE PREVIEW is enabled. <i>[Trigger Input, Output]</i>
PRESET X	Trigger to adjust the framing size of the camera while in Auto Framing mode. <i>[Trigger Input, Output]</i>
PRESET X NAME	String to show the preset name. <i>[String Output]</i>
NO. OF TARGETS	Adjust this slider to change how many targets the camera will track while the tracking of multiple targets is enabled. Range: 2-8 <i>[Value Input, Output]</i>
AUTO TARGET SELECTION	Press this button to allow the camera to determine the appropriate tracking targets. <i>[Boolean Input, Output]</i>
TRACK MULTIPLE TARGETS	Press this button to allow the tracking of multiple targets. <i>[Boolean Input, Output]</i>
REGISTERED FACES PRIORITY	Press this button to have the camera prioritize the tracking of registered faces before unregistered faces. <i>[Boolean Input, Output]</i>
FACE INDICATOR	Press this button to enable/disable the face indicator on the network stream outputs of the camera. <i>[Boolean Input, Output]</i>
AUTO TRACK REGISTERED FACE	Press this button to enable/disable the auto tracking of registered faces.



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	[Boolean Input, Output]
DEFAULT TO AUTO FRAME	<p>Press this button to allow the camera to automatically start auto framing when powering on.</p> <p>[Boolean Input, Output]</p>
TIME TO WAIT FOR ALL TARGETS	<p>Adjust this slider to change how long the camera will wait once a target enters the tracking area before it begins auto tracking without all targets. Range: 0-60</p> <p>[Value Input, Output]</p>
TIME TO HOLD AUTO FRAMING	<p>Adjust this slider to change how many long the camera will wait before restarting auto framing if all targets leave the targeting area. Range: 1-60</p> <p>[Value Input, Output]</p>
RESTART AUTO FRAMING	<p>Trigger this button to restart the camera's auto framing controls.</p> <p>[Trigger Input, Output]</p>

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SONY

PTZ AUTO FRAMING CAMERA
PLUGIN v1.0.0.0

AUTO FRAMING

START

STOP

GET CURRENT VIEW

DISCONNECTED

FRAMING SIZE

Framing1
1

Framing2
2

Framing3
3

SETTINGS

NO. OF TARGETS

AUTO TARGET SELECTION

TRACK MULTIPLE TARGETS

REGISTERED FACES PRIORITY

FACE INDICATOR

AUTO TRACK REGISTERED FACE

DEFAULT TO AUTO FRAME

TIME TO WAIT FOR ALL TARGETS

TIME TO HOLD AUTO FRAMING

RESTART AUTO FRAMING



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ADDITIONAL INFORMATION

Change Log	V1.0.0.0 – Initial Release
Support	Company: Control Concepts, Inc Email: support@controlconcepts.net Website: https://www.controlconcepts.net