



Manufacturer: Panasonic
Model: AW Series
Device Type: PTZ Camera

TABLE OF CONTENTS

GENERAL INFORMATION 2

INITIAL SETUP 3

PLUGIN CONTROLS (GENERAL) 4

PLUGIN CONTROLS (POWER)..... 4

PLUGIN CONTROLS (CAMERA INFORMATION)..... 4

PLUGIN CONTROLS (PAN, TILT & ZOOM) 5

PLUGIN CONTROLS (PAN, TILT & ZOOM) *CONTINUED* 6

PLUGIN CONTROLS (IMAGE ADJUST) 7

PLUGIN CONTROLS (CAMERA PRESETS)..... 8

ADDITIONAL INFORMATION 9

Manufacturer: Panasonic
Model: AW Series
Device Type: PTZ Camera

GENERAL INFORMATION	
Q-SYS PLUGIN NAME	Panasonic AW Series PTZ Camera
VERSION	1.2
AUTHORED BY	Control Concepts, Inc.
SUMMARY	This Q-SYS Plugin controls a Panasonic AW Series PTZ camera via HTTP.
GENERAL NOTES	<p>This plugin supports the following camera models within the AW Series family:</p> <ul style="list-style-type: none">- AW-HE20- AW-HE38- AW-HE40- AW-HE42- AW-HE50- AW-HE60- AW-HE120- AW-HE130- AW-UR100- AW-UE4- AW-UE20- AW-UE40- AW-UE50- AW-UE70- AW-UE80- AW-UE100- AW-UE150- AW-UE160
DEVICE USED FOR TESTING	Q-SYS Core 110f (v9.10.0)

Manufacturer: Panasonic
Model: AW Series
Device Type: PTZ Camera

INITIAL SETUP	
PROPERTIES	<p>Camera Model: Selects the model of the camera to control from a dropdown list of available models.</p> <p>Camera Preset Count: Sets the number of presets to enable/show on the plugin. If the number of presets is set to 0, the preset pages and controls will not be visible at all. [Minimum: 0 Maximum: 100 Default: 20]</p> <p>Live Preview FPS: Sets the number of frames per second that the live preview will refresh at. (Only applies to models that support live preview)</p> <p>Debug Level: Sets the debug level that determines which debug statements will print to the debug console.</p>
ESTABLISHING CONNECTION	<p>The "IP Address" of the camera must be set. The plugin will automatically attempt to communicate with the camera at the entered IP Address when the design starts.</p> <p>Once connection to the camera is successful, the "Is Communicating" pin will go high and the plugin will begin the initialization process, wherein it will attempt to query the camera for all relevant data it needs for normal operation.</p> <p>Once the plugin has received responses from the camera for all the initial queries, the "Is Initialized" pin will go high. At this point, the plugin is considered fully ready for operation.</p>

Manufacturer: Panasonic
Model: AW Series
Device Type: PTZ Camera

PLUGIN CONTROLS (GENERAL)

IP Address	Set the IP Address of the camera. [Input/Output String]
Is Communicating	Indicates if the plugin is communicating with the camera. [Output Boolean]
Is Initialized	Indicates if the plugin has synched all relevant data with the camera. [Output Boolean]
Status	Indicates the current connection status to the camera. [Output String]

PLUGIN CONTROLS (POWER)

Power On	Set the camera to power on. [Input/Output Boolean]
Standby	Set the camera to standby. [Input/Output Boolean]

PLUGIN CONTROLS (CAMERA INFORMATION)

Model Number	Indicates the model number information for the camera. [Output String]
System Format	Indicates the system format information for the camera. [Output String]
System Frequency	Indicates the system frequency information for the camera. [Output String]

Manufacturer: Panasonic
Model: AW Series
Device Type: PTZ Camera

PLUGIN CONTROLS (PAN, TILT & ZOOM)

Live Preview Image	Indicates the live preview image URL. [Output String]
Home	Set the camera to the default 'Home' position. [Input/Output Boolean]
Pan Left	Set high to begin panning the camera left. Set low to stop the camera moving. [Input/Output Boolean]
Pan Right	Set high to begin panning the camera right. Set low to stop the camera moving. [Input/Output Boolean]
Tilt Down	Set high to begin tilting the camera down. Set low to stop the camera moving. [Input/Output Boolean]
Tilt Up	Set high to begin tilting the camera up. Set low to stop the camera moving. [Input/Output Boolean]
Pan/Tilt Down Left	Set high to begin panning/tilting the camera down/left. Set low to stop the camera moving. [Input/Output Boolean]
Pan/Tilt Down Right	Set high to begin panning/tilting the camera down/right. Set low to stop the camera moving. [Input/Output Boolean]
Pan/Tilt Up Left	Set high to begin panning/tilting the camera up/left. Set low to stop the camera moving. [Input/Output Boolean]
Pan/Tilt Up Right	Set high to begin panning/tilting the camera up/right. Set low to stop the camera moving. [Input/Output Boolean]
Speed	Adjust the camera speed to a specific level. [Input/Output Number]
Lower Speed	Decrease the camera speed. [Input/Output Boolean]
Raise Speed	Increase the camera speed. [Input/Output Boolean]

Manufacturer: Panasonic
Model: AW Series
Device Type: PTZ Camera

PLUGIN CONTROLS (PAN, TILT & ZOOM) *CONTINUED*

Zoom	Adjust the camera zoom to a specific level. <i>[Input/Output Number]</i>
Zoom Out	Adjust the camera zoom out. <i>[Input/Output Boolean]</i>
Zoom In	Adjust the camera zoom in. <i>[Input/Output Boolean]</i>
Focus	Adjust the camera focus to a specific level. <i>[Input/Output Number]</i>
Focus Near	Adjust the camera focus toward the near side. <i>[Input/Output Boolean]</i>
Focus Far	Adjust the camera focus toward the far side. <i>[Input/Output Boolean]</i>
Auto Focus	Toggle the camera auto focus on or off. When Auto Focus is on, manual focus controls will be disabled until Auto Focus is turned off. <i>[Input/Output Boolean]</i>

Manufacturer: Panasonic
Model: AW Series
Device Type: PTZ Camera

PLUGIN CONTROLS (IMAGE ADJUST)

Image Mode [Auto, Scene 1-3]	Set one of the available image modes. Depending on the image mode, certain image adjustments may be disabled until a difference Image Mode has been selected. [Input/Output Boolean]
Gain	Adjust the camera gain to a specific level. [Output Number]
Gain Down	Adjust the camera gain down. [Input/Output Boolean]
Gain Up	Adjust the camera gain up. [Input/Output Boolean]
White Balance	Adjust the camera white balance to a specific level. [Output Number]
White Balance Down	Adjust the camera white balance down. [Input/Output Boolean]
White Balance Up	Adjust the camera white balance up. [Input/Output Boolean]
Auto White Balance	Toggle the camera auto white balance on or off. [Input/Output Boolean]
Auto Black Balance	Toggle the camera auto black balance on or off. [Input/Output Boolean]
Iris	Adjust the camera iris to a specific level. [Input/Output Number]
Close Iris	Adjust the camera iris toward the closed position. [Input/Output Boolean]
Open Iris	Adjust the camera iris toward the open position. [Input/Output Boolean]
Auto Iris	Toggle the camera auto iris on or off. [Input/Output Boolean]

Manufacturer: Panasonic
Model: AW Series
Device Type: PTZ Camera

PLUGIN CONTROLS (CAMERA PRESETS)

Preset Store Mode	Toggle on to put the plugin into 'preset store' mode. After this is turned on, save the current camera position to a specific preset by triggering one of the "Preset [1 – 100]" inputs. <i>[Input/Output Boolean]</i>
Preset Delete Mode	Toggle on to put the plugin into 'preset delete mode'. After this is turned on, triggering one of the "Preset [1 – 100]" inputs will delete the camera position associated with it. <i>[Input/Output Boolean]</i>
Home Preset	Set the camera to the default 'Home' position. <i>[Input/Output Boolean]</i>
Preset [1 – 100]	Trigger to recall the preset that has been stored, if any. <i>[Input/Output Boolean]</i>

Manufacturer: Panasonic
Model: AW Series
Device Type: PTZ Camera

ADDITIONAL INFORMATION

Change Log	V1.0 – Initial Release V1.1 – Added support for dynamic state management and refined model profiles. V1.2 – Fixed LivePreview API for the AW-HE130 and AW-HE120. – Fixed LivePreview image display on UCI
Support	Company: Control Concepts, Inc. Phone: (201) 797-7900 Email: support@controlconcepts.net Website: https://www.controlconcepts.net