Panasonic

Q-SYS™

Manufacturer: Panasonic
Model: Projectors
Device Type: Projector

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GENERAL INFORMATION	
Q-SYS PLUGIN NAME	Panasonic Projectors
VERSION	1.0
AUTHORED BY	Control Concepts, Inc.
SUMMARY	This plugin controls a Panasonic projector using TCP.
GENERAL NOTES	Supported Models: • All Panasonic projector models. Device Setup: Confirm the authentication setting on the projector's web interface →[NETWORK SECURITY] → [COMMAND PROTECT].
DEVICE USED FOR TESTING	Q-SYS Core 110f (v9.10.1) Panasonic PT-MZ880 (v1.11)

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INITIAL SETUP	
PROPERTIES	**Authentication**: Specifies the Command Protect setting of the projector. When the property is set to [Enabled] a username and password field will be provided in the connection settings area. **Debug_Level:** Set the level to determine the trace statements that will print to the debug window. • *Off*: No trace statements from the plugin • *Device Communication*: Only trace statements related to establishing and maintaining communication • *Troubleshooting*: All trace statements
ESTABLISHING CONNECTION	Using either the text box inputs or the input pins, enter the IP Address and, if authentication is enabled, the adminitstrator username and password of the projector. When all applicable information is filled in, the plugin will automatically connect and reconnect. To initialize, the plugin will query for all states on startup. Once the plugin has successfully gathered all states the plugin will be initialized and control will be allowed. It is recommended to not control anything prior to initialization.

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PLUGIN CONTROLS (SETUP)	
IP Address	Sets the IP Address of the projector. *[Input	String]*
Username	The username of the administrator account. Available when the Command Protect property is set to Enabled. *[Input	String]*
Password	The password of the administrator account. Available when the Command Protect property is set to Enabled. *[Input	String]*
Projector Name	The projector name as reported by the projector. *[Output	String]*
Serial Number	The serial number reported by the projector. *[Output	String]*
Model Numer	The model number reported by the projector. *[Output	String]*
Software Version	The software version reported by the projector. *[Output	String]*
Communicating	True indicates that the plugin is communicating with the projector. *[Output	Boolean]*
Initialized	True indicates that the plugin has successfully queried for the current state. *[Output	Boolean]*
Plugin Version	The plugin version. *[Output	String]*
Plugin Status	The plugin status. *[Output	String]*

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PLUGIN CONTROLS (CONTROL)	
Power On	Sends the power on command to the projector. Output is true when the projector power state is on. *[Both	Boolean]*
Power Off	Sends the power off command to the projector. Output is true when the projector power state is off. *[Both	Boolean]*
Shutter Open	Sends the shutter open command to the projector. Output is true when the projector shutter state is open. *[Both	Boolean]*
Shutter Close	Sends the shutter close command to the projector. Output is true when the projector shutter state is close. *[Both	Boolean]*
Lens Focus In	Sends the lens focus in slow command to the projector when pressed. Sends the lens focus in normal command to the projector when held. *Control is disabled if not supported by projector model. *[Input	Boolean]*
Lens Focus Out	Sends the lens focus out slow command to the projector when pressed. Sends the lens focus out normal command to the projector when held. *Control is disabled if not supported by projector model. *[Input	Boolean]*
Lens Zoom In	Sends the lens zoom in slow command to the projector when pressed. Sends the lens zoom in normal command to the projector when held. *Control is disabled if not supported by projector model. *[Input	Boolean]*
Lens Zoom Out	Sends the lens zoom out slow command to the projector when pressed. Sends the lens zoom out normal command to the projector when held. *Control is disabled if not supported by projector model. *[Input	Boolean]*
Lens Shift Up	Sends the lens shift up slow command to the projector when pressed. Sends the lens shift up normal command to the projector when held. *Control is disabled if not supported by projector model. *[Input	Boolean]*
Lens Shift Down	Sends the lens shift down slow command to the projector when pressed. Sends the lens shift down normal command to the projector when held. *Control is disabled if not supported by projector model. *[Input	Boolean]*

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Lens Shift Left	Sends the lens shift left slow command to the projector when pressed. Sends the lens shift left normal command to the projector when held. *Control is disabled if not supported by projector model. *[Input	Boolean]*
Lens Shift Right	Sends the lens shift right slow command to the projector when pressed. Sends the lens shift right normal command to the projector when held. *Control is disabled if not supported by projector model. *[Input	Boolean]*
Audio Mute On	Sends the audio mute on command to the projector. Output is true when the projector audio mute state is on. *Control is disabled if not supported by projector model. *[Both	Boolean]*
Audio Mute Off	Sends the audio mute off command to the projector. Output is true when the projector audio mute state is off. *Control is disabled if not supported by projector model. *[Both	Boolean]*
Audio Vol Up	Sends the audio volume up command to the projector. *Control is disabled if not supported by projector model. *[Input	Boolean]*
Audio Vol Down	Sends the audio volume up command to the projector. *Control is disabled if not supported by projector model. *[Input	Boolean]*
Self Check	Output indicates if errors are reported by the self-diagnosis query. True when no errors are reported. *[Output	Boolean]*
Test On	Input sends the test pattern on command. Output is true when the test pattern is active. *[Both	Boolean]*
Test Off	Input sends the test pattern off command. Output is true when the test pattern is not active. *[Both	Boolean]*

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PLUGIN CONTROLS (INPUTS)

<Input Name>	Sends the corresponding input command to the projector. The output state is true when the projector reports the input as the current input. * All possible input select options are provided regardless of projector model. *[Both	Boolean]*

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KNOWN ISSUES	
V1.0	No known issues.

ADDITIONAL INFORMATION	
Change Log	V1.0 – Initial Release
Support	Company: Control Concepts, Inc. Phone: (201) 797-7900 Email: support@controlconcepts.net Website: https://www.controlconcepts.net