

Partner: Sony
Model: VPL-CX155
Device Type: Video Projector



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Sony VPL-CX155(IP) v1.0
CATEGORY:	Video/Data Projector
VERSION:	1.0
SUMMARY:	Power, Source Select, Picture Mute, Lamp Mode, Aspect Ratio, Contrast, Brightness, Color, Hue, Sharpness, RGB Enhancer and Elapsed Lamp Hours.
GENERAL NOTES:	<p>This module will control the Sony VPL-CX155 Projector via TCP/IP. An ethernet card must be present in the Control System Processor. The TCP/IP Client hardware definition must be defined in the SMPL program with the proper port set. Once device is connected, communications will be allowed.</p> <p>True feedback is provided for all functions including elapsed lamp hours. When any command is sent to the projector, it will acknowledge that the command was processed properly and the corresponding feedback will be reflected at the outputs of this module. Picture settings will only be updated when the appropriate input is selected.</p> <p>When the Poll_Enable input is asserted (Default =1), the projector will be polled every 15 seconds to determine the state of power, input source and picture mute. The TCP/IP client must be in a connected state for any polling to occur.</p> <p>If it is desired to poll the projector for picture setting changes made using the IR remote control, or by the controls on the projector itself, you can assert the Poll_Settings input (Default =1). When this input is high, the projector will be polled every 45 seconds to determine the state of aspect ratio, brightness, contrast, sharpness, color, hue, volume, lamp mode and elapsed lamp hours. Typically, you could enable either polling option when the projector's particular control page is active and displayed on a touch panel. You would then disable polling at other times.</p>
CRESTRON HARDWARE REQUIRED:	C2ENET-1, C2ENET-2
SETUP OF CRESTRON HARDWARE:	TCP/IP Port - 53484
VENDOR FIRMWARE:	V1.01
VENDOR SETUP:	PJ Talk Service must be active on projector.
CABLE DIAGRAM:	N/A

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**CONTROL:**

Power_On	D	Turn projector on.
Power_Off	D	Turn projector off.
Power_Toggle	D	Toggles the power state of projector.
Input_YC	D	Selects the projector's S-Video input.
Input_Vid	D	Selects the projector's composite video input.
Input_A	D	Selects the projector's A input.
Input_B	D	Selects the projector's B input.
Input_C	D	Selects the projector's C input.
Lmode_Off	D	Selects the lamp high brightness mode.
Lmode_On	D	Selects the lamp standard brightness mode.
Picture_Mute_On	D	Activate picture mute (blank the screen).
Picture_Mute_Off	D	Deactivate picture mute (un-blank the screen).
Aspect_4-3	D	Selects 4:3 screen aspect ratio.
Aspect_16-9	D	Selects 16:9 screen aspect ratio.
Contrast_Up/Down	D	Adjusts appropriate contrast setting up/down.
Brightness_Up/Down	D	Adjusts appropriate brightness setting up/down.
Color_Up/Down	D	Adjusts appropriate color setting up/down.
Hue_Up/Down	D	Adjusts appropriate hue setting up/down.
Sharpness_Up/Down	D	Adjusts appropriate sharpness setting up/down.
Volume_Up/Down	D	Adjusts volume setting up/down.
Poll_Enable	D	When high, projector will be polled for it's general settings every 15 seconds (Default=1).

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Poll_Settings	D	When high, projector will be polled for it's picture settings and elapsed lamp hours every 45 seconds (Default=1).
IP_Connected	D	Feedback from TCP/IP Client indicating that communication between client and projector has been established.
From_Device\$	D	Serial signal to be routed from a 2-way serial com port.

PARAMETER:

Port	P	TCP/IP Port number. This must be set to 53484. This is for System Builder to use when it adds the TCP/IP client symbol.
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FEEDBACK:

Power_On/Off_FB	D	True feedback indicating current power state.
Input_*_FB	D	True feedback indicating current selected input source.
Lmode_On/Off_FB	D	True feedback indicating current lamp mode.
Picture_Mute_On/Off_FB	D	True feedback indicating current picture mute state.
Aspect_4-3/16-9_FB	D	True feedback indicating current aspect ratio.
*_Analog	A	Analog value of picture settings to be sent to bar graph.
Volume_Analog	A	Analog value of the current volume level.
Lamp_Hours	A	Decimal value indicating elapsed lamp hours.
Connect	D	Signal to be routed to the Connect input on the TCP/IP Client.
To_Device\$	S	Serial data signal to be routed to a 2-way Com Port.

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**TESTING:**

OPS USED FOR TESTING:	3.155.1240
SIMPL WINDOWS USED FOR TESTING:	2.08.41
CRES DB USED FOR TESTING:	18.8.8
SYMBOL LIBRARY USED FOR TESTING:	487
SAMPLE PROGRAM:	Sony VPL-CX155(IP) v1.0 Demo PRO2
REVISION HISTORY:	V. 1.0