Partner: SnapAV
Model: Luma Streaming
Device Type: Streaming

CRESTRON
CERTIFIED **INTEGRATED** PARTNER

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Luma Stream PTZ
CATEGORY:	Cameras
VERSION:	V1.1 – Original Release
SUMMARY:	This module controls a Luma IP Camera via TCP Connection.
GENERAL NOTES:	This module was designed and tested with a WPS-500-PTZ-WH IP Camera. This module supports an XPANEL 2.0 Smart Graphics control module and a TSW-750 touchscreen. The Smart Graphics control module represents a dynamic GUI for video streaming and PTZ Control for IP Cameras that have support for it. The touchscreen includes an mjpeg high quality stream with PTZ controls as well. Both representations also include Motion Detection and Alarm Triggering which can be enabled and disabled through the interfaces. Red labelled text indicators briefly appear above the video stream when either of the two events are triggered. GPIO Pins can be toggled on and off as well by clicking their respective buttons on the interface.
CRESTRON HARDWARE REQUIRED:	3 Series processor, Touchscreen
SETUP OF CRESTRON HARDWARE:	None
VENDOR FIRMWARE:	V1.0.30.d7
VENDOR SETUP:	Luma Stream PTZ module parameters must be entered before continuing. Refer to parameters section for descriptions. In screen designer, the URL must be set in the properties tab for whichever device the video stream will be on. Replace the below IP Address with the one of the IP Camera. The IP Address can be found through SnapAV's IP Utility Tool. URL PATH EXAMPLES MPJEG: http://192.168.24.109:82/wps-cgi/mjpg/video.cgi?camera=1&username=admin&password=admin JPEG: http://192.168.24.109:82/wps-cgi/jpg/image.cgi?camera=1&username=admin&password=admin *Note*: When using an embedded video object, along with the URL Path, the source id and source analog join must be used for the stream to display. The Luma Stream PTZ module supports both streams with their respective outputs. *Note*: Further settings must be done through the web interface of the camera. The web interface can be accessed by typing in the IP Address of the camera into any internet browser. With this access, you can adjust resolution, frame rate, and other camera specific adjustments.
CABLE DIAGRAM:	[POE] Power over Ethernet

CONTROL:

PTZSpeedFinal	D	The speed of the PTZ controls taken after releasing the slider on the GUI
PTZUP	D	Moves camera up at the speed designated
PTZDOWN	D	Moves camera down at the speed designated
PTZLEFT	D	Moves camera left at the speed designated
PTZRIGHT	D	Moves camera right at the speed designated
PTZZOOMIN	D	Zooms in at the speed designated.
PTZZOOMOUT	D	Zooms out at the speed designated
PTZFOCUSIN	D	Focuses in the lens on the camera.
PTZFOCUSOUT	D	Focuses out the lens on the camera
MOTIONSTART	D	Starts the Motion Detection and Alarm Triggering Events
MOTIONSTOP	D	Stop the Motion Detection and Alarm Triggering Events
GPIO1	D	Toggles GPIO Pin 1
GPIO2	D	Toggles GPIO Pin 2
GPIO3	D	Toggles GPIO Pin 3
GPIO4	D	Toggles GPIO Pin 4
PTZSpeed	A	Individual PTZ Speed component every time the slider moves 1
ErrorLog	A	Log for displaying video stream errors

FEEDBACK:

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H264	A	Analog join for the embedded object h264 video source analog join. Must be used for video stream to display.
mjpeg	A	Analog join for the embedded object mjpeg video source analog join. Must be used for video stream to display.
URLImage	S	The path of the video stream for dynamic graphics just in case the default path is not specified. This path is only valid when used with the indirect graphics path serial join property.
URLVideo	S	The path of the video stream for motion jpeg just in case the default path is not specified. This path is only valid when used with the indirect graphics path serial join property.
motion	D	Output that goes high for 5 seconds when motion is detected. Motion detection event must be turned on.
alarm	D	Output that goes high for 5 seconds when alarm is triggered Alarm triggering event must be turned on.
URLh264Mainstream	S	The path of the h264 main stream
URLh264Substream	S	The path of the h264 sub stream

PARAMETER:

Device_ip$	S	IP Address of IP Camera
Username$	S	Username for authentication [Default: Admin]
Password$	S	Password for authentication [Default: Admin]
Controller_ip$	S	IP Address of Controller
Camera_num$	S	Camera number of which stream is displayed
http_port	S	Port for HTTP Connection
H264_port	S	Port for h264 Connection

TESTING:

OPS USED FOR TESTING:	RMC3 1.010.0060
SIMPL WINDOWS USED FOR TESTING:	4.02.65

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DEVICE DB USED FOR TESTING:	65.05.003.00
CRES DB USED FOR TESTING:	51.05.007.00
SYMBOL LIBRARY USED FOR TESTING:	944
SAMPLE PROGRAM:	Luma Stream PTZ
REVISION HISTORY:	V1.1 – Added h264 support V1.0 – Original Release