Partner: SnapAV
Model: Luma PTZ Camera
Device Type: Streaming

CRESTRON
CERTIFIED **INTEGRATED** PARTNER

GENERAL INFORMATION	
SIMPLWINDOWS NAME:	Luma PTZ Camera
CATEGORY:	Cameras
VERSION:	V1.2
SUMMARY:	This module controls a Luma PTZ Camera via TCP Connection.
GENERAL NOTES:	This module was designed and tested with a LUM-500-PTZ Camera. This module integrates a Luma IP Camera stream, as well as motion detection and input triggering. Motion detection and input triggering can be enabled and disabled independently.
CRESTRON HARDWARE REQUIRED:	3 Series processor
SETUP OF CRESTRON HARDWARE:	None
VENDOR FIRMWARE:	V5.3.6 build 160622
VENDOR SETUP:	Luma PTZ Camera module parameters must be entered before continuing. Refer to parameters section for descriptions. To add the video to a page in Crestron VisionTools: 1. Add an EmbeddedVideo Object to the page. 2. Select the Source ID for the desired video type. (Available video types vary between panels, as not all panels support all video.) 3. Join the desired video URL serial output to the URL serial join of the EmbeddedVideo Object. URL PATH EXAMPLES JPEG http://192.168.24.172:80/wps-cgi/image.cgi?camera=1&StreamNum=1&resolution=640x360&username=admin&password=admin MPJEG http://192.168.24.12:80/wps-cgi/video.cgi?StreamNum=2&resolution=640x360&format=MJPEG&username=admin&password=admin H264 via NVR/DVR rtsp://admin:admin@192.168.24.12:554/Streaming/channels/401 H264 via Switch rtsp://admin:admin@192.168.24.12:554/Streaming/channels/1
CABLE DIAGRAM:	

CONTROL:

MOTIONSTART	D	Starts the Motion Detection Events
MOTIONSTOP	D	Stop the Motion Detection Events
INPUTSTART	D	Starts the Input Trigger Events
INPUTSTOP	D	Stops the Input Trigger Events
PTZ_LEFT	D	Sends a left PressAndRelease PTZ command
PTZ_RIGHT	D	Sends a right PressAndRelease PTZ command
PTZ_UP	D	Sends a up PressAndRelease PTZ command
PTZ_DOWN	D	Sends a down PressAndRelease PTZ command
PTZ_ZOOMIN	D	Sends a zoom+ PressAndRelease PTZ command
PTZ_ZOOMOUT	D	Sends a zoom- PressAndRelease PTZ command
PTZSPEED	A	Analog input for controlling PTZ speed (1-7)
RECALL_PRESET	A	Analog input for recalling preset.

FEEDBACK:

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 feedback.
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 feedback.

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motion	D	Output that goes high for 5 seconds when motion is detected. Motion detection event must be turned on.
input	D	Output that goes high when the camera's Input Trigger is open and goes low when it is closed.
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 the Luma IP Camera
Username$	S	Username for authentication [Default: admin]
Password$	S	Password for authentication [Default: admin]
Controller_ip$	S	IP Address of the Crestron Controller
Camera_num$	D	The number of the camera to be streamed, default = 1
Stream_num$	S	The number of the stream, main = 1 and sub = 2
H264_port	D	Port for h264 Connection
Listening_port	D	Port for the Crestron Controller to listen for events on. Should be different for each camera.
Connection_method	D	0 for if camera is connected to Switch 1 for if camera is connected to DVR/NVR

TESTING:

OPS USED FOR TESTING:	RMC3 1.010.0060

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SIMPL WINDOWS USED FOR TESTING:	4.03.24.00
DEVICE DB USED FOR TESTING:	77.00.004.00
CRES DB USED FOR TESTING:	58.00.002.00
SYMBOL LIBRARY USED FOR TESTING:	1006
SAMPLE PROGRAM:	Luma PTZ Camera Demo
REVISION HISTORY:	V1.2 – Automatically adjust http port based on connection method V1.1 – Added preset recall V1.0 – Release

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