

**Partner: SnapAV**  
**Model: Luma Fisheye Camera**  
**Device Type: Streaming**



**GENERAL INFORMATION**

<b>SIMPLWINDOWS NAME:</b>	Luma Fisheye Camera
<b>CATEGORY:</b>	Cameras
<b>VERSION:</b>	V1.0
<b>SUMMARY:</b>	This module controls a Luma Fisheye Camera via TCP Connection.
<b>GENERAL NOTES:</b>	This module was designed and tested with a LUM-500-FISHEYE This module integrates a Luma Fisheye Camera stream, as well as motion detection and input triggering. Motion detection and input triggering can be enabled and disabled independently.
<b>CRESTRON HARDWARE REQUIRED:</b>	3 Series processor
<b>SETUP OF CRESTRON HARDWARE:</b>	None
<b>VENDOR FIRMWARE:</b>	V5.3.6 build 160622
<b>VENDOR SETUP:</b>	<p>Fisheye+3PTZ:</p> <ul style="list-style-type: none"> <li>Stream 1 = Fisheye Main Stream</li> <li>Stream 1 = Fisheye Sub Stream</li> <li>Stream 2 = PTZ 1 Main Stream</li> <li>Stream 3 = PTZ 2 Main Stream</li> <li>Stream 4 = PTZ 3 Main Stream</li> </ul> <p>NO SNAPSHOT</p> <p>Fisheye+2PTZ [DEFAULT]:</p> <ul style="list-style-type: none"> <li>Stream 1 = Fisheye Main Stream</li> <li>Stream 1 = Fisheye Sub Stream</li> <li>Stream 2 = PTZ 1 Main Stream</li> <li>Stream 2 = PTZ 1 Sub Stream</li> <li>Stream 3 = PTZ 2 Main Stream</li> <li>Stream 3 = PTZ 2 Sub Stream</li> </ul> <p>NO SNAPSHOT</p> <p>Fisheye+PTZ:</p> <ul style="list-style-type: none"> <li>Stream 1 = Fisheye Main Stream</li> <li>Stream 1 = Fisheye Sub Stream</li> <li>Stream 2 = PTZ 1 Main Stream</li> <li>Stream 2 = PTZ 1 Sub Stream</li> </ul> <p>SNAPSHOT SUPPORTED</p>

**Partner: SnapAV**  
**Model: Luma Fisheye Camera**  
**Device Type: Streaming**



	<p>2PTZ:</p> <ul style="list-style-type: none"> <li>Stream 1 = PTZ 1 Main Stream</li> <li>Stream 1 = PTZ 1 Sub Stream</li> <li>Stream 2 = PTZ 2 Main Stream</li> <li>Stream 2 = PTZ 2 Sub Stream</li> </ul> <p>SNAPSHOT SUPPORTED</p> <p>Luma Fisheye Camera module parameters must be entered before continuing. Refer to parameters section for descriptions.</p> <p>To add the video to a page in Crestron VisionTools:</p> <ol style="list-style-type: none"> <li>1. Add an EmbeddedVideo Object to the page.</li> <li>2. Select the Source ID for the desired video type. (Available video types vary between panels, as not all panels support all video.)</li> <li>3. Join the desired video URL serial output to the URL serial join of the EmbeddedVideo Object.</li> </ol> <p><u>URL PATH EXAMPLES:</u></p> <p>JPEG  <a href="http://192.168.24.40:80/wps-cgi/image.cgi?camera=1&amp;resolution=640x480&amp;username=admin&amp;password=admin">http://192.168.24.40:80/wps-cgi/image.cgi?camera=1&amp;resolution=640x480&amp;username=admin&amp;password=admin</a></p> <p>MPJEG  <a href="http://192.168.24.40:80/wps-cgi/video.cgi?StreamNum=1&amp;resolution=640x360&amp;format=MJPEG&amp;username=admin&amp;password=admin">http://192.168.24.40:80/wps-cgi/video.cgi?StreamNum=1&amp;resolution=640x360&amp;format=MJPEG&amp;username=admin&amp;password=admin</a></p> <p>H264 for Fisheye stream 1 mainstream  <a href="rtsp://192.168.24.40:554/Streaming/channels/101?&amp;username=admin&amp;password=admin">rtsp://192.168.24.40:554/Streaming/channels/101?&amp;username=admin&amp;password=admin</a></p>
<b>CABLE DIAGRAM:</b>	POE

**CONTROL:**

<b>MOTIONSTART</b>	D	Starts the Motion Detection Events
<b>MOTIONSTOP</b>	D	Stop the Motion Detection Events
<b>INPUTSTART</b>	D	Starts the Input Trigger Events
<b>INPUTSTOP</b>	D	Stops the Input Trigger Events
<b>GETFISHEYEMODE</b>	D	Gathers the current fisheye mode

**Partner: SnapAV**  
**Model: Luma Fisheye Camera**  
**Device Type: Streaming**


**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.
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
FISHEYE_MODE	S	The current fisheye mode

**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
Stream_num\$	S	The number of the Fisheye stream.
http_port	D	Port for HTTP Connection
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.

**Partner: SnapAV**  
**Model: Luma Fisheye Camera**  
**Device Type: Streaming**

**TESTING:**

OPS USED FOR TESTING:	RMC3 1.010.0060
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 Fisheye Camera Demo
REVISION HISTORY:	V1.0