

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



GENERAL INFORMATION

SIMPLWINDOWS NAME:	Luma Fisheye Camera
CATEGORY:	Cameras
VERSION:	V1.0
SUMMARY:	This module controls a Luma Fisheye Camera via TCP Connection.
GENERAL NOTES:	<p>This module was designed and tested with a LUM-500-FISHEYE</p> <p>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.</p>
CRESTRON HARDWARE REQUIRED:	3 Series processor
SETUP OF CRESTRON HARDWARE:	None
VENDOR FIRMWARE:	V5.3.6 build 160622
VENDOR SETUP:	<p>Fisheye+3PTZ:</p> <ul style="list-style-type: none">Stream 1 = Fisheye Main StreamStream 1 = Fisheye Sub StreamStream 2 = PTZ 1 Main StreamStream 3 = PTZ 2 Main StreamStream 4 = PTZ 3 Main Stream <p>NO SNAPSHOT</p> <p>Fisheye+2PTZ [DEFAULT]:</p> <ul style="list-style-type: none">Stream 1 = Fisheye Main StreamStream 1 = Fisheye Sub StreamStream 2 = PTZ 1 Main StreamStream 2 = PTZ 1 Sub StreamStream 3 = PTZ 2 Main StreamStream 3 = PTZ 2 Sub Stream <p>NO SNAPSHOT</p> <p>Fisheye+PTZ:</p> <ul style="list-style-type: none">Stream 1 = Fisheye Main StreamStream 1 = Fisheye Sub StreamStream 2 = PTZ 1 Main StreamStream 2 = PTZ 1 Sub Stream <p>SNAPSHOT SUPPORTED</p>

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2PTZ:

Stream 1 = PTZ 1 Main Stream
 Stream 1 = PTZ 1 Sub Stream
 Stream 2 = PTZ 2 Main Stream
 Stream 2 = PTZ 2 Sub Stream
 SNAPSHOT SUPPORTED

Luma Fisheye 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://192.168.24.40:80/wps-cgi/image.cgi?camera=1&resolution=640x480&username=admin&password=admin

MPJEG

http://192.168.24.40:80/wps-cgi/video.cgi?StreamNum=1&resolution=640x360&format=MJPEG&username=admin&password=admin

H264 for Fisheye stream 1 mainstream

rtsp://192.168.24.40:554/Streaming/channels/101?username=admin&password=admin

CABLE DIAGRAM:

POE

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
GETFISHEYEMODE	D	Gathers the current fisheye mode

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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.

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**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