

## Fisheye RTI Driver Release Notes

### 14 Jun 18

The purpose of these release notes are to provide detailed information regarding fixes, enhancements, and known issues related to the Luma fisheye Camera Control System Drivers.

#### What It Is

These are the official RTI drivers for fisheye cameras.

#### Important Note

Please ensure the sub stream on your control system is set to 6 frames per second or higher. Some control systems treat a stream with lower frame rates as if it were an image.

#### Where to Find It

These are available on the Luma product pages under the Support tab.

#### Features Added

Added support for fisheye cameras.

#### Known Limitations

No support for H.264 as this is a limitation inherent to RTI.

# Documentation

## Overview

Follow the setup to integrate a Luma Fisheye Camera into your RTI control system. The setup was created and tested on a XP-3 series controller using Virtual Panel. To use this, either enter the full MJPEG path to the generic MJPEG viewer using the example below, or use the SnapAV MJPEG Camera object.

*Example:*

http://<IPAddress>:<Port>/wps-cgi/video.cgi?StreamNum=<StreamNumber>&resolution=640x360&format=MJPEG&username=<UserName>&password=<Password>

- <IPAddress> - The IP Address of the Luma Fisheye Camera
- <Port> - The virtual port number assigned by the NVR/DVR (e.g., 65004)
- <StreamNumber> - The number of the camera (Default = 1)
- <StreamType> - The mainstream or substream. (Default mainstream)
- <UserName> - The username used to access the camera (Default = admin)
- <Password> - The password used to access the camera (Default = admin)

## Fisheye Modes

Fisheye + 3 PTZ (No snapshot)

- Stream 1 = Fisheye Main Stream
- Stream 1 = Fisheye Sub Stream
- Stream 2 = PTZ 1 Main Stream
- Stream 3 = PTZ 2 Main Stream
- Stream 4 = PTZ 3 Main Stream

Fisheye + 2 PTZ (No snapshot)

- Stream 1 = Fisheye Main Stream
- Stream 1 = Fisheye Sub Stream
- Stream 2 = PTZ 1 Main Stream
- Stream 2 = PTZ 1 Sub Stream
- Stream 3 = PTZ 2 Main Stream
- Stream 3 = PTZ 2 Sub Stream

Fisheye + 1 PTZ (Snapshot supported)

- Stream 1 = Fisheye Main Stream
- Stream 1 = Fisheye Sub Stream
- Stream 2 = PTZ 1 Main Stream
- Stream 2 = PTZ 1 Sub Stream

2 PTZ (Snapshot supported)

- Stream 1 = PTZ 1 Main Stream
- Stream 1 = PTZ 1 Sub Stream
- Stream 2 = PTZ 2 Main Stream
- Stream 2 = PTZ 2 Sub Stream

## Events

The following events have been programmed into the driver, and can be used to trigger macros.

**Motion Detection:** This event is signaled when the camera notifies the driver of detected motion. Motion Detection must be enabled in the camera settings.

**Input Trigger:** This event is signaled when the camera notifies the driver of the input being triggered. Input Triggering must be enabled in the camera settings.

## Variables

**Mode:** Holds the current mode as a string.

## Functions

**Get Mode:** This gathers the fisheye's current mode.

**Control Motion:** This enables or disables the monitoring of the motion events from the camera.

**Control Trigger Input:** This enables or disables the monitoring of the trigger input events from the camera.