Axis T8311 Joystick Controller Setup and Operation Manual

Contents

1. Introduction

This manual provides instructions for the configuration of the Axis T8311 Joystick Controller, for operation within the CathexisVision software.

1.1 Requirements

1.1.1 General Requirements

- CathexisVision 2016.2 or later
- A PTZ enabled camera

1.1.2 License Requirements

No license is required to install this Axis Joystick.

A NOTE ON CAMERA CHANNELS

The CathexisVision software packages have **limits on camera channels**. A multi-sensor camera is physically a single device (camera) but it requires a camera channel for each one of the internal cameras. The same applies to an encoder: a 16-channel encoder will account for 16 camera channels on the CathexisVision software, even though it is a single device. Even when a camera or device only uses a single IP license, the camera channel limit will still apply.

USEFUL LINKS

To view **tutorial videos** on CathexisVision setup, visit *https://cathexisvideo.com/resources/videos*

Find answers to Cathexis **Frequently Asked Questions**: *https://cathexis.crisp.help/en/?1557129162258*

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2. Setup

Connect the controller to the CathexisVision unit using the USB-cable. Open CathexisVision.

2.1 Open Controller Setup Window

The controller needs to be enabled and the buttons must be mapped in order to use the joystick. To configure the controller, open the setup window by following the navigation below:
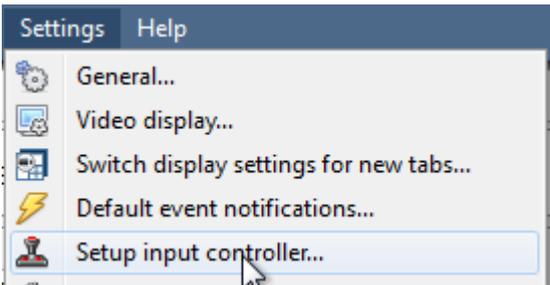
Settings Menu / Setup input Controller

2.2 Configure Controller
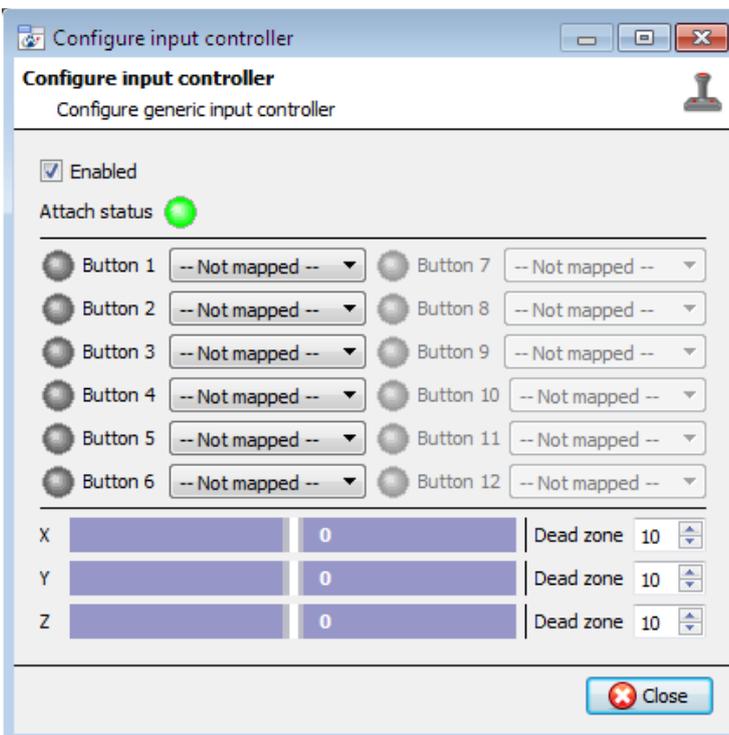
To use the controller, make sure that the Enabled box is **checked**.

If **Attach status** is green, the controller is plugged in and enabled.

If **Attach status** is greyed out, the controller has either not been enabled or it is unplugged.

See below for Mapping the buttons.

2.2.1 Map Controller Buttons
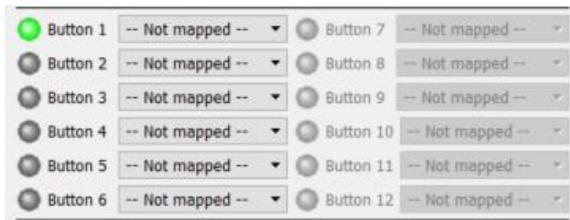
Pressing one of the controller's buttons will turn the corresponding button icon green.

Map the relevant button to the desired action by choosing from the options in the drop-down menu:
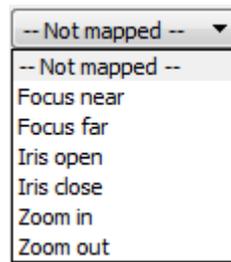
2.2.2 Set Dead Zones

The dead zone is the area around the center of the joystick that does not respond to movement. It is designed to cut down on accidental movement caused by jitter. The higher the dead zone is set (below), the larger the area in which the joystick will not respond to movement.

Set the dead zone for the X, Y and Z axes.
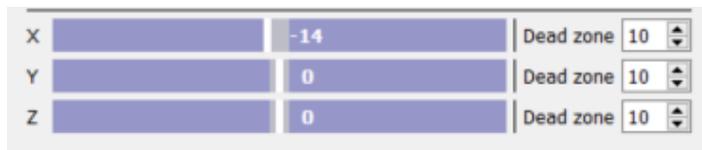
The white line represents the joystick along the axis. It will move once the joystick moves out of the dead zone.

The grey area represents the dead zone. It will increase/decrease with the corresponding setting.

2.2.2.1 Test the Dead Zone Settings

To test the dead zone settings, perform the movements indicated in the table below.

Axis	Test
X-axis	Move joystick left to right
Y-axis	Move joystick up and down
Z-axis	Twist the top of the joystick clockwise/anti-clockwise.

3. Operation

This section will deal with the operation of the joystick within the cameras tab of CathexisVision.

Note: The joystick will only function with a PTZ camera.

3.1 Open Cameras Tab
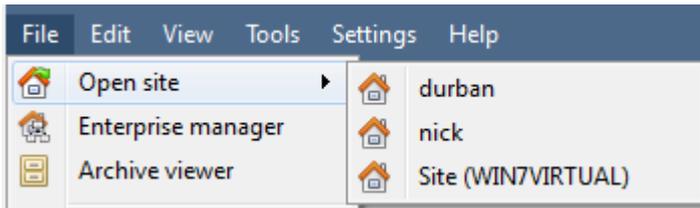
File / Open Site / Select Site
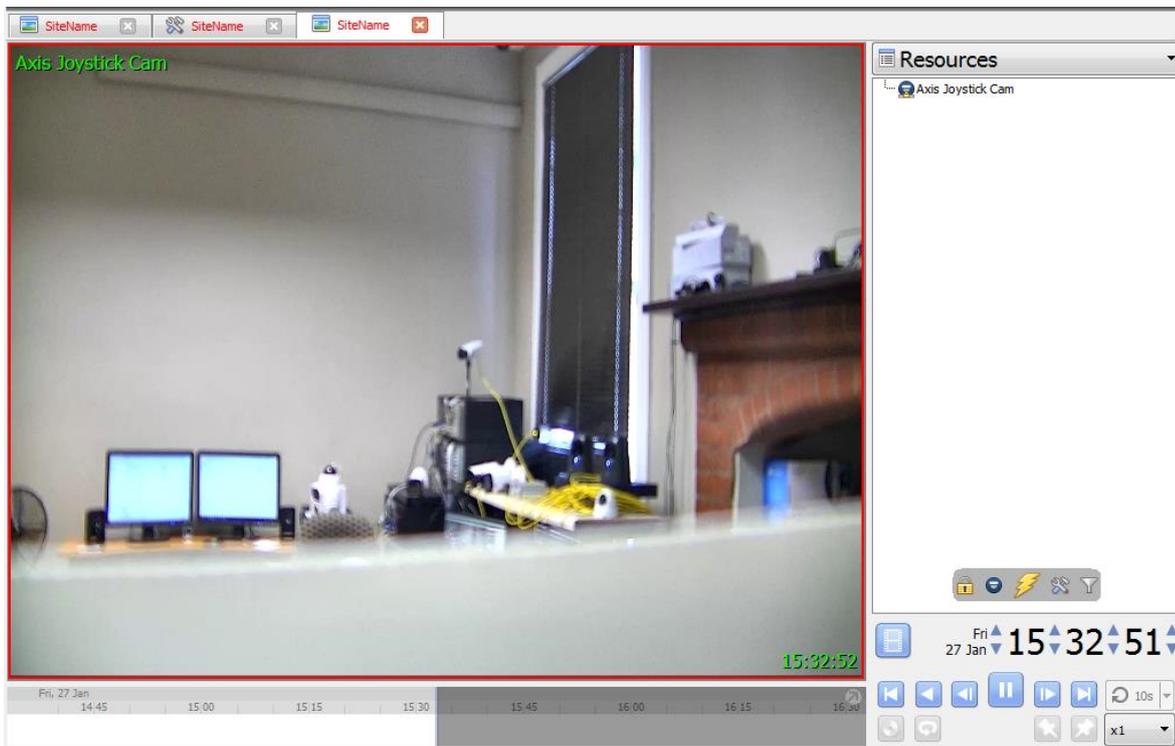
In the cameras tab, select the PTZ camera.

3.2 Controller Buttons

J1	J2	J3	J4

L			R
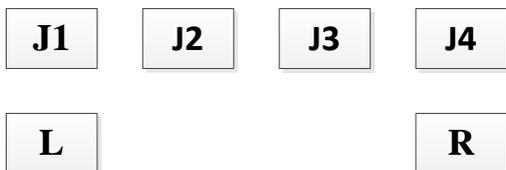
On the body of the controller, pressing any of the buttons will perform the action that was mapped in **Section 2b.**

3.3 Joystick

Control the PTZ camera using the joystick.

Movement	Action on Joystick
Left/Right	Tilt the joy stick left/right.
Up/Down	Tilt the joy stick up/down.
Zoom In/Out	Twist the top of the joystick clockwise/anti-clockwise.

4. Conclusion

This app-note was designed to deal specifically with this integration. For further information about the CathexisVision software please consult the main manual (http://cathexisvideo.com/).

For support, please contact support@cat.co.za.