

AXIS PTZ VISCA



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Table of Contents

Application overview	3
Supported actions	3
How to set up the application	4
Install the ACAP on the camera	4
Configure AXIS P8221	4
Add cameras	4

AXIS PTZ VISCA

Application overview

Application overview

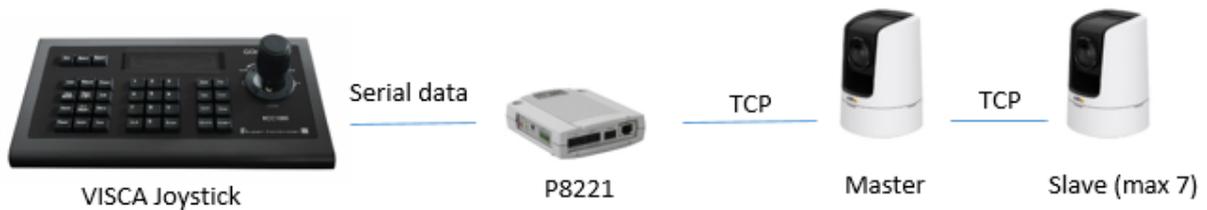
AXIS PTZ VISCA is an application (ACAP) that enables PTZ control with a joystick that supports the Sony VISCA protocol.

The AXIS P8221 Network I/O Audio Module converts the serial output (RS232/RS422) from the VISCA joystick to TCP packets, sending the commands from the joystick on the network. The application in the master camera receives these commands and either acts on them or forwards them to the slave camera that the user wants to control.

The application supports up to 8 cameras (master + 7 slaves) with basic PTZ movement control and 6 position presets.

Note

All cameras need to be in the same orientation. If some cameras are mounted upright and some upside down, the PTZ directions will be inverted for some of the cameras.



Supported actions

Supported actions in the application:

- Pan
- Tilt
- Zoom (8 speeds)
- Set preset
- Recall preset
- Delete preset
- Focus control (near – far)
- Iris control (open – close)

AXIS PTZ VISCA

How to set up the application

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Install the ACAP on the camera

The application must be installed on every camera that you want to control with the VISCA joystick.

1. In the camera's web pages, go to **Setup > Applications**.
2. Under **Upload Application**, click **Choose file** and select the application file (file extension .eap), and click **Upload Package**.
3. Under **Installed Applications**, select the application and click **Start**.

Configure AXIS P8221

Configure AXIS P8221 to forward the commands from the joystick to the master camera.

1. Go to **Setup > Ports & Devices > COM Port**.
2. Select **RS-232** or **RS-422** as Port mode.
3. Set Baud rate to 9600.
Set Data bits to 8.
Set Stop bits to 1.
Set Parity to None.
4. Enter the IP address of the master camera in the **Connect to** field.
Specify port 12345 by adding ":12345" to the IP address. (e.g. 1.1.1.1:12345)

The screenshot shows the web interface for the AXIS P8221 I/O Audio Module. The page title is "AXIS P8221 I/O Audio Module" with navigation links for "Live View", "Setup", and "Help". A sidebar on the left contains a menu with items: "Audio", "Ports & Devices" (expanded to show "I/O Ports" and "COM Port"), "Live View Config", "Events", "System Options", and "About". The main content area is titled "COM Port" and includes a "Port Settings" section with a dropdown menu set to "RS-232" and an "Apply" button. Below this is the "Generic TCP/IP Settings" section, which contains the following fields: "Baud rate" (9600), "Data bits" (8), "Stop bits" (1), "Parity" (None), "Flow Control XON/XOFF" (checkbox), "Connect to" (192.168.0.201:12345), "Listener port" (4000), "Timeout" (0), "Support Telnet Options" (NO), "Allowed users" (empty), and "Allowed IP addresses" (empty). A note at the bottom states "Note: See help for valid generic TCP/IP values." and there are "Save" and "Reset" buttons at the bottom right.

Add cameras

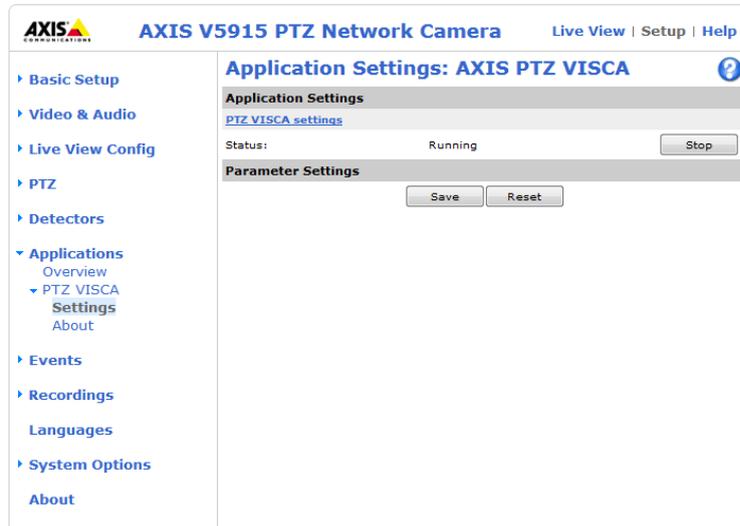
Note

All cameras need to be in the same orientation. If some cameras are mounted upright and some upside down, the PTZ directions will be inverted for some of the cameras.

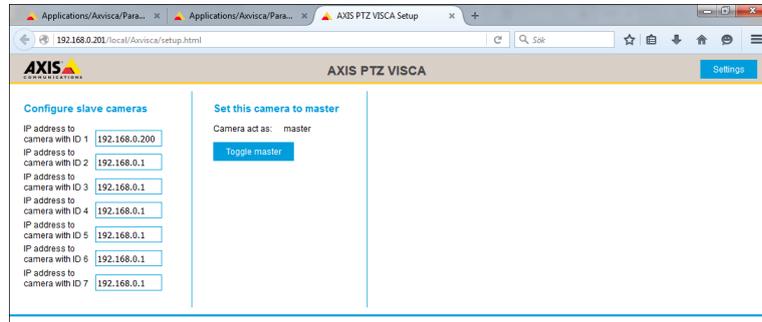
AXIS PTZ VISCA

How to set up the application

1. Log on to the master camera's webpages, and select Setup > Applications > PTZ VISCA > PTZ VISCA settings.



2. In the configuration window, enter the IP addresses to all the cameras you want to control (as slaves).
3. Click Toggle master to select which camera should be the master.



Note

There is no need to configure the slave cameras, you only have to make sure that the VISCA application is running on them.

