



Configuration guide

Mechanical PTZ configuration on the AXIS P135X cameras

This document shows how to configure AXIS P135X cameras to control primarily a PT head and optionally a zoom lens.

1 Configuration steps

Follow the below configuration steps after connecting the PT head to RS-485/RS-422 serial port of the camera. Connection schemes are available for particular PT head on driver support pages. General pin assignment is as follows:

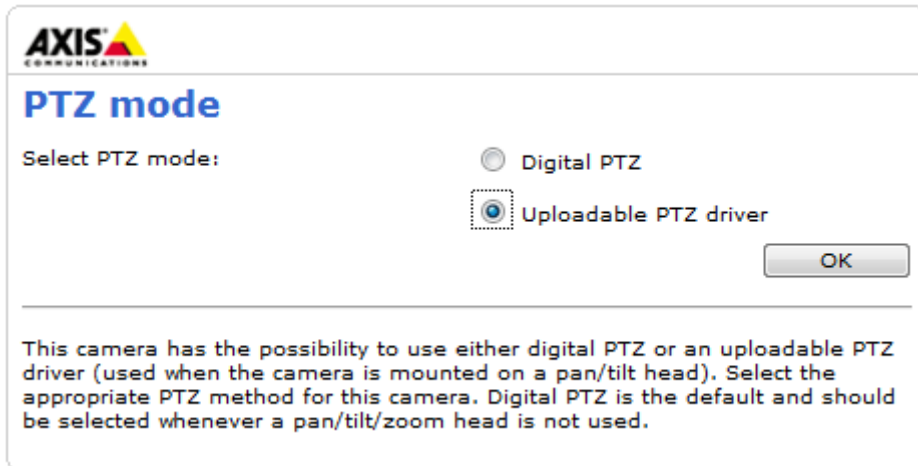


Function	Pin	Notes
RS-485/RS-422 Tx (A)	1 (Tx+)	Tx pair for RS422 and 4-wire RS-485
RS-485/RS-422 Tx (B)	2 (Tx-)	
RS-485A alt. RS-485/RS-422 Rx (A)	3 (Rx+/Tx+ alt Rx+).	Rx pair for all modes (combined Rx/Tx for 2-wire RS-485)
RS-485B alt. RS-485/RS-422 Rx (B)	4 (Rx-/Tx- alt. Rx-)	

Configure the camera as shown in the steps below:

1.1 Step 1 – Select Uploadable PTZ Driver option

In one of the initial menus after configuring the camera’s password you will need to select **Uploadable PTZ driver** option.



If product is already configured to use Digital PTZ option which is preselected you will need to factory default the camera under Setup > System Options > Maintenance, selection Default and configure the product from the beginning.

1.2 Download driver from axis.com

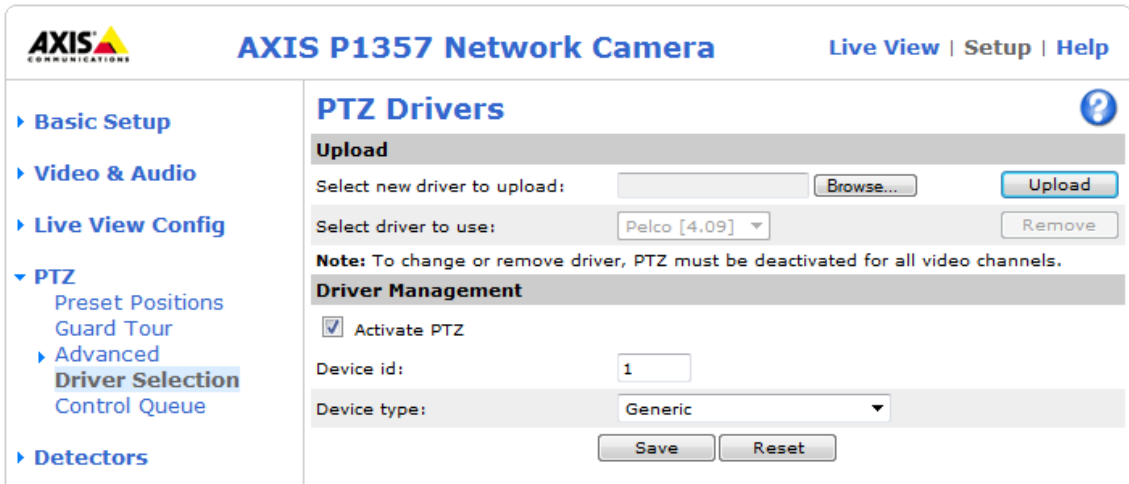
Select your product on the [Support pages](#) and go to PTZ driver, see connection schemes and download the driver from there.



For availability of other drivers than those on site, contact Axis Support via Online helpdesk.

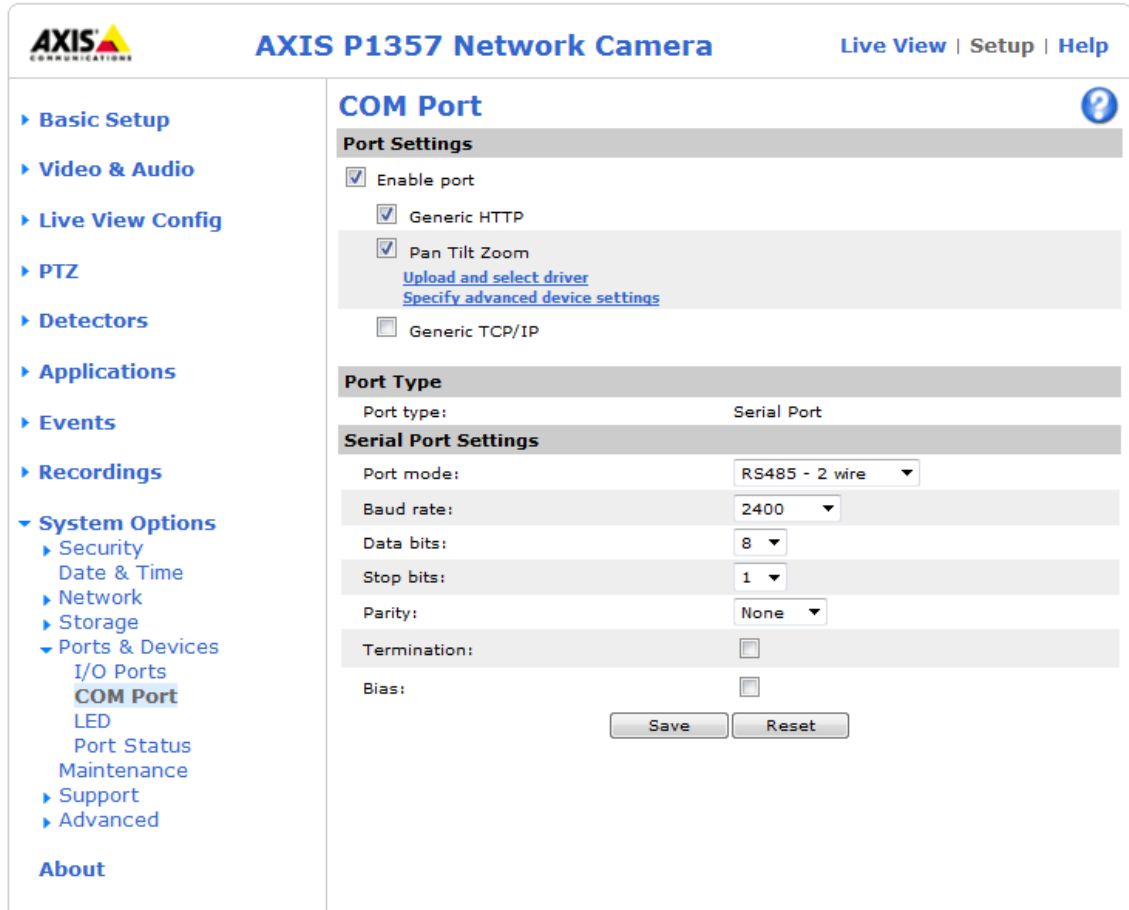
1.3 Upload the driver

Upload the PTZ driver and Activate PTZ.



1.4 Adjust COM port settings (Optional)

Adjust COM port settings if needed to agree with the settings of the device connected to the camera:



1.5 Enable zoom (Optional)

Go to PTZ > Advanced > Controls and enable Zoom in case for example of steering a zoom lens

Control Settings

Panel Shortcut Command Buttons

No	Label	Information	URL	Enabl.

Add... Modify... Enable/Disable Remove

Enable/Disable controls

- Pan enable
- Tilt enable
- Zoom enable
- Focus enable
- Iris enable

Save Reset