Axis PTZ Integration

Supported Models

Q6215, P56, Q61* *All network based Axis PTZ cameras with VAPIX interface* should work but haven't been tested.

Power Requirements

Power Requirements:
Axis High PoE Midspan Injector 1-port:
IN:100–240 V AC, OUT: max 74 W
Camera consumption: typical 14 W, max 51 W
Axis PoE+ Midspan Injector 1-port:
IN: 100–240 V AC, OUT: max 37 W IEEE 802.3at Type 2 Class 4 Camera consumption: typical 14 W, max 25 W * *These power requirements may vary slightly depending on the model of camera used. Refer to the manufacturers documentation for specifics*

User Name & Password

Axis Default user name and password:	
User Name	root
Password	pass *(new cameras force password change at first login)*
If the Axis PTZ was supplied by Thermal Radar:	
User Name	root
Password	Hydra360

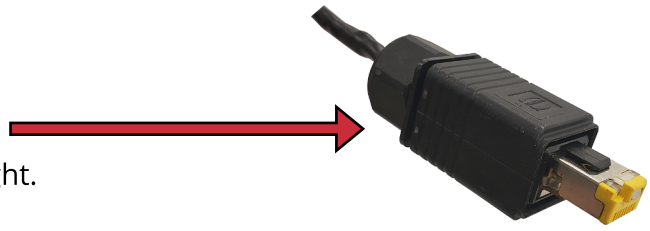
Network Settings

Axis Defaults:	
IP Address	DHCP or 192.168.0.90
If supplied by Thermal Radar:	
IP Address	192.168.1.112

Mounting Best Practices

Weather Tight CAT-5/6 push pull connector

Use supplied CAT-5/6 push pull connector to ensure the network connection is weather tight.



For More Information...

For more information about the Axis PTZ including Manuals, Firmware, and other Help Topics, please see the following link:

https://www.axis.com/en-us

TIR Pro Tip: Axis Control Queue:

The Axis Control Queue allows hierarchical prioritization of control of pan, tilt, and zoom functions as well as auto tracking, and guard tours.

Use cases include:

- The ability to control the PTZ from a VMS client without interference from the Thermal Radar while still allowing the Thermal Radar to resume pointing the PTZ after a certain amount of time.
- Allowing Auto-Tracking functionality to track a target in between rotations of the Thermal Radar so as to ensure that a target remains in frame and in focus.
- Allowing guard tour to resume after the Thermal Radar and Auto-Tracking have stopped after a certain amount of time.

These are merely some examples of what can be done with the Control Queue as there are a variety of possibilities of what may be done.

Control Queue isn't enabled by default, and needs to be enabled by an administrator level user through the Plain Config.

To Enable Control Queue:

1. Open the PTZ Web interface by typing <http://ip.of.the.camera> into the web browser and entering the admin credentials when prompted.

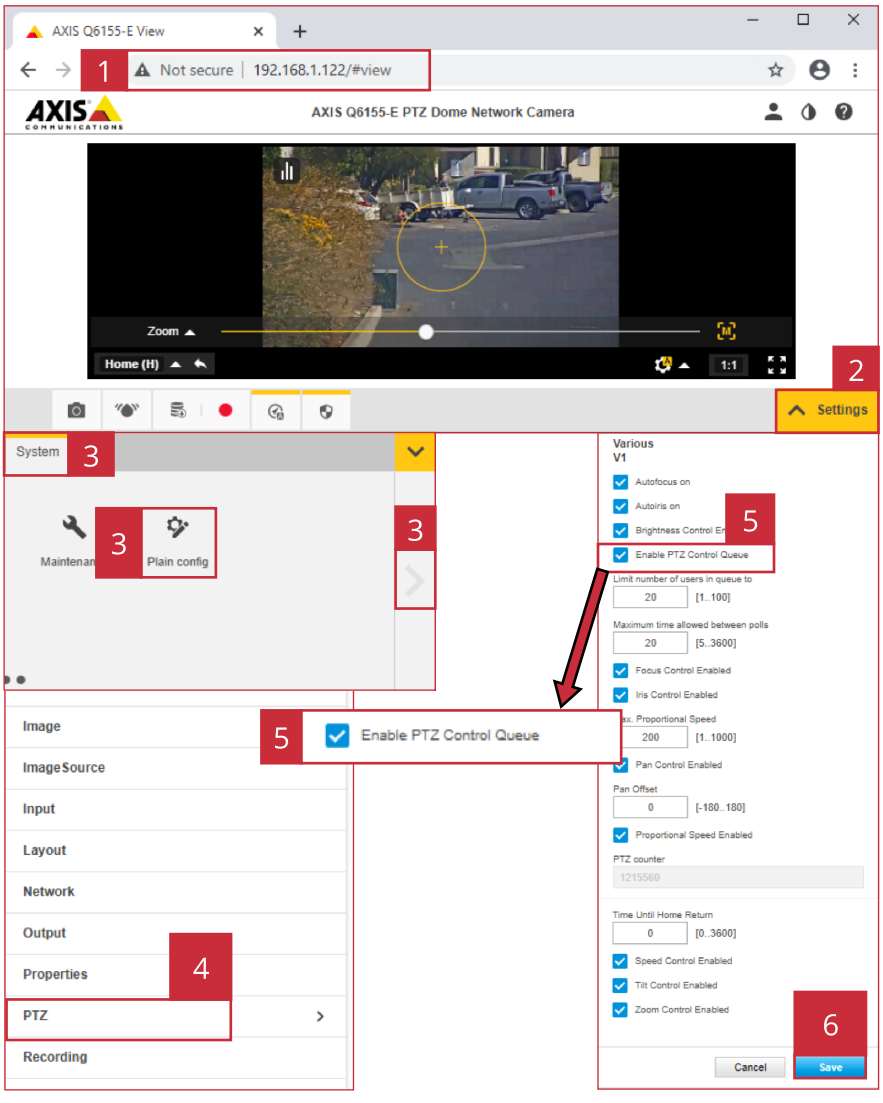
2. Navigate to the settings by hitting the ^ arrow in the bottom right corner of the window Next to where it says "Settings".

3. Select the "System" tab and use the > button to navigate to "Plain Config".

4. After Opening "Plain Config", Select the PTZ section

5. Scroll down near the bottom to where it says "Enable PTZ Control Queue" and select the Checkbox.

6. Then Scroll to the Bottom and Hit the "Save" button to finalize the Change.



After completing the steps above the Control Queue will be actively prioritizing usage from U0 - U7. This can be adjusted by changing the Priority parameter in the same list that you enabled the Control Queue from. From there you'll be able to also adjust the "Timeout time" to taste. This controls how long until the next user may take control after a Higher priority user stops controlling the PTZ.

In the case of utilizing the Thermal Radar with a VMS for example, one may add the PTZ to a VMS server as an operator level user while having the Thermal Radar control the camera in a hydra system with Viewer level Permissions. Then whenever the VMS operator utilizes PTZ controls from the VMS client, the Thermal Radar will stop controlling the PTZ until after the specified "Timeout time" that was input for that specific user level.