

AXIS Radar Autotracking for PTZ

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About AXIS Radar Autotracking for PTZ

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AXIS Radar Autotracking for PTZ is an application that directs one or more PTZ cameras to where there is movement. It uses motion data from AXIS D2050-VE Network Radar Detectors to find objects of interest. The detectors measure the absolute distance and velocity of moving objects. The application calculates the optimal pan, tilt, and zoom values for the cameras using the cameras locations and current view.

The tracker groups together multiple objects to fit in the view of the camera.

These are the priorities used by the tracker:

1. Keep tracking the same object.

Note

The detector may change the identity of an object. This may cause the tracker to stop tracking it.

2. Minimize camera movement.
3. Every object should be tracked by at least one camera if physically possible.

Limitations

- For supported cameras, see www.axis.com/products/axis-radar-autotracking
- The application is suitable for outdoor sites with a limited amount of activity. Crowded sites, like train stations, is not recommended.
- The radar detector can miss some objects visible to the camera. Objects can be out of the radar detection range or can be obscured.
- The radar detector can change the identity of a physical object during its path through the scene, which could cause unexpected behavior from the tracker.
- The operator can override the autotracking to manually control the PTZ of the camera. This requires the camera firmware to be updated to version 7.20 or higher.
- The application doesn't use include areas set up in the detector. It uses the entire radar coverage and the exclude areas.
- If an exclude area is redefined in the detector, restart the service.
- The application doesn't use object type filters that have been set up in the detector, but you can set up filters in the application.
- The application disables **Proportional speed** in the camera. This setting is not restored when you remove the camera from the application.

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Setup

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How to install AXIS Radar Autotracking for PTZ

1. Download the application from <https://www.axis.com/products/axis-radar-autotracking>
2. Double-click the downloaded file and follow the instructions in the installation wizard.

As soon as the installation is completed, the application starts running in the background.



How to connect detectors and cameras

The cameras and detectors are organized in groups. A group consists of one detector and one or more cameras that are controlled with motion data from the detector.

1. In the Windows® task bar, right-click **AXIS Radar Autotracking for PTZ** and select **Open AXIS Radar Autotracking for PTZ**.
2. Select **Add Group** and type a name for the group.
3. Select **Add Radar Detector** and enter the detector's IP address.
To connect via HTTPS, select **Options** and select **HTTPS**.
4. Configure the detector: Click  and follow the instructions in the application.
5. Select **Add Camera** and enter the camera's IP address.
To connect via HTTPS, select **Options** and select **HTTPS**.
6. Configure the camera: Click  and follow the instructions in the application.

How to use one camera with multiple detectors

The cameras and detectors are organized in groups. A group consists of one detector and one or more cameras that are controlled with motion data from the detector. To use one camera with multiple detectors, create one group for each detector, and add the same camera to those groups.

1. In the Windows® task bar, right-click **AXIS Radar Autotracking for PTZ** and select **Open AXIS Radar Autotracking for PTZ**.
2. Select **Add Group** and type a name for the group.
3. Select **Add Radar Detector** and enter the detector's IP address.
To connect via HTTPS, select **Options** and select **HTTPS**.
4. Configure the detector: Click  and follow the instructions in the application.
5. Select **Add Camera** and enter the camera's IP address.
To connect via HTTPS, select **Options** and select **HTTPS**.
6. Configure the camera: Click  and follow the instructions in the application.
7. Create a new group for each detector, and add the same camera to each group.

How to access the device's web pages

The application handles the basic settings needed for tracking. To configure the device itself, go to the device's web pages.

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1. In the Windows® task bar, right-click **AXIS Radar Autotracking for PTZ** and select **Open AXIS Radar Autotracking for PTZ**.
2. Expand the group that the device belongs to.
3. Right-click the device and select **Copy Device Address**.
4. Start a web browser.
5. Paste the device address in the browser's address field.

The user manual for the device is available at axis.com

How to pause AXIS Radar Autotracking for PTZ

1. In the Windows® task bar, right-click **AXIS Radar Autotracking for PTZ** and select **Stop Service**.

How to disable tracking for one camera

1. In the Windows® task bar, right-click **AXIS Radar Autotracking for PTZ** and select **Open AXIS Radar Autotracking for PTZ**.
2. Expand the group that the camera belongs to.
3. Right-click the camera and select **Disable Device**.

