

# **Aimetis People Counter**

**2.1**

**User Guide**

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# Introduction

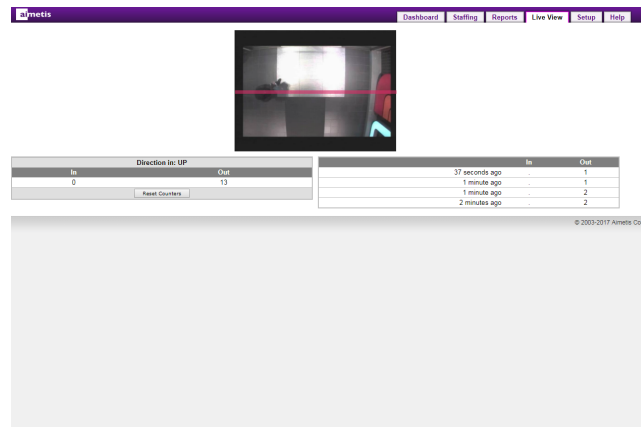
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Aimetis People Counter is an embedded video analytic that offers people counting, event triggering, and alarms for Axis network cameras and encoders.

You can define the areas in the scene to monitor and People Counter triggers alarms based on the number of people in that area.

The live view for People Counter includes the following elements:

- Live image with counting line
- Cumulative and historic counters



# Installation

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Install People Counter on a camera using the camera Web interface.

You must install the version of People Counter that matches the CPU of the camera (either Artpec-6 or Artpec-5 and earlier). For information on checking the CPU of a camera, see [KB10342](#).

## Requirements

| Component       | Requirements   |
|-----------------|--|
| Camera CPU      | One of: <ul style="list-style-type: none"> <li>• ARTPEC-4</li> <li>• ARTPEC-5</li> <li>• ARTPEC-6</li> </ul> |
| Camera firmware | Supports Embedded Development Version 2.0  |
| License         | Aimetis People Counter (AIM-AX-PC)   |

## Install People Counter

1. Download the People Counter analytic package from <http://www.Aimetis.com/Xnet/>.
2. Log in to the camera home page.
3. Click **Setup**.
4. Click **Applications**.
5. In the **Upload Application** pane, click **Browse** and select the People Counter analytic package.
6. Click **Upload Package**.
7. In the **Installed Applications** list, select **Aimetis People Counter** and click **Start**.
8. In the **Applications** list, click **People Counter**.
9. In the **Application Settings** list, click **Main page**.
10. Type the license key from the Aimetis Xnet and press **Submit**.
11. Click the **Main Screen** button.

## Open People Counter

1. Log in to the camera camera home page.
2. Click **Settings**.
3. Click the **Apps** tab.
4. Click **Aimetis People Counter**.
5. Click **Open**.
6. If this is your first time logging in, click **Accept** to accept the license and warranty terms.

## Add a license

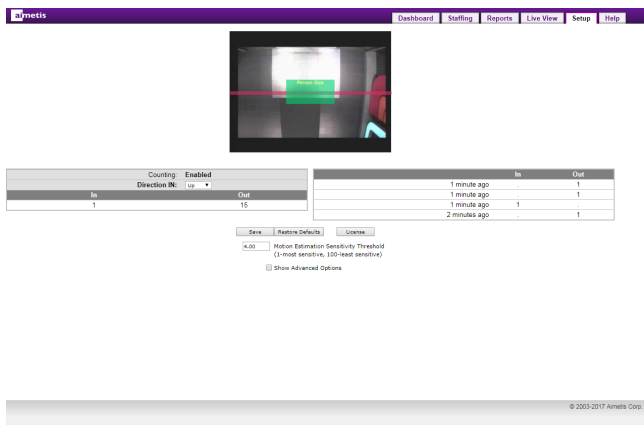
1. In the administration interface for the embedded video analytic, click **Setup > License**.
2. Copy the camera MAC address.
3. Open <http://www.Aimetis.com/Xnet/> and click **Account Management**.
4. Under **Embedded Analytics**, click **Add**.
5. Type a name for the camera.
6. In the **MAC Address** field, copy the MAC address of the camera.
7. Select **I will add licenses to this camera**.
8. Click **Register Camera**.
9. Click **Embedded Analytics**.
10. Copy the license key.
11. In the administration interface for the embedded video analytic, click **Setup > License**.
12. In the **License Key** field, paste the license key.
13. Press **Submit**.

# Configuration

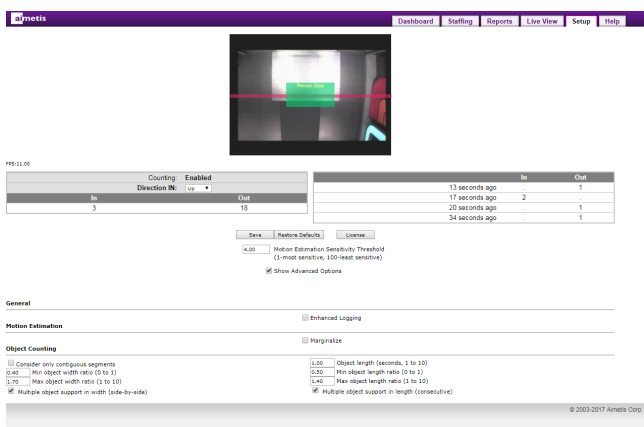
Configure People Counter using the administration interface in a browser. When you install People Counter on a camera, you can access the administration interface from the camera home page.

## Configure People Counter

1. In the People Counter administration interface, click **Setup**.



2. In the image, click and drag the horizontal red counting line to the location in the image across which people cross.
3. In the **Direction IN** field, select the direction people travel through the image to enter the facility.
4. To adjust the **Person Size** box:
  - a) Click and drag the inside of the box to move the box to the location of a person in the image. Use the location on the **Person Size** box to help accurately size the box. The location of the box does not affect counting.
  - b) Click and drag the box borders to adjust it to the typical size of a person in the image. The box should not be less than 1/5 or greater than 1/3 the size of the image.
5. In the **Motion Estimation Sensitivity Threshold** field, define how sensitive the embedded video analytic is to motion.
6. To configure the advanced settings, select **Show Advanced Options** and configure the advanced settings.



7. Click **Save**.

## Settings

| Setting  | Description   |
|--|---|
| Motion Estimation Sensitivity Threshold          | <p>The setting defines how sensitive People Counter is to consistent motion. Increasing this setting reduces the number of false alarms.</p> <p>The default value is 4.00.</p>  |
| Enhanced Logging                                 | <p>This setting allows the camera to register all activities in the form of logs (for debugging and troubleshooting purposes).</p> <p>This setting can impact performance and it is recommended that you leave enhanced logging off.</p> <p>The default value is Off.</p> |
| Marginalize                                      | <p>This setting reduces how sensitive People Counter is to varying colors. Selecting this option can increase processing speed and decrease counting accuracy.</p> <p>It is recommended that you leave the marginalize setting off.</p> <p>The default value is Off.</p>  |
| Consider only contiguous segments                | <p>This setting causes People Counter to only count groups of people as a single object.</p> <p>It is recommended that you leave the Consider only contiguous segments setting off.</p> <p>The default setting is Off.</p>  |
| Multiple object support in width (side-by-side)  | <p>Select this setting if people can cross the counting line side-by-side.</p> <p>If you turn this setting off, the Max Object Width Ratio setting does not apply.</p> <p>The default value is On.</p>  |
| Min object width ratio                           | <p>This setting defines the minimum width, with respect to the size of the Person Size box, that an object must be for People Counter to count.</p> <p>The default value is 0.40.</p>   |
| Max object width ratio                           | <p>This setting defines the maximum width, with respect to the size of the Person Size box, that an object can be before People Counter counts it as two objects.</p> <p>The default value is 1.70.</p>   |
| Object line crossing duration (seconds, 1 to 10) | <p>This setting defines how long (in seconds) it takes a typical person to completely cross the counting line.</p> <p>The default value is 1.00</p>   |

| Setting   | Description   |
|---|---|
| Multiple object support in length (consecutive) | <p>Select this setting if people can follow each other with a very small gap across the counting line.</p> <p>If you turn this setting off, the Max Object Length Ratio setting does not apply.</p> <p>The default value is On.</p> |
| Min object length ratio                         | <p>This setting defines the minimum time that an object can take to cross the counting line for People Counter to count the object.</p> <p>The default value is 0.50.</p>   |
| Max object length ratio                         | <p>This setting defines the maximum time that an object can take to cross the counting line before People Counter counts the object as two objects.</p> <p>The default value is 1.40.</p>   |

## Generate a report

1. In the People Counter administration interface, click **Reports**.
2. Select the time interval for the report data.
3. In the **From** field, select the start for the report data.
4. In the **To** field, select the end for the report data.
5. Click **Update**.
6. Select whether to display the data as a chart or a table.
7. To export the report data as a CSV file, click **Export Data**.

## Reset People Counter

1. In the Motion Tracker administration interface, click **Setup**.
2. Click **Restore Defaults**.



## Legal information

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