AXIS IVM120 People Counter
User's Guide

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The AXIS IVM120 People Counter is an Intelligent Video Module (IVM) that automatically counts the number of persons passing the camera. The module is loaded into and used in the AXIS 242S IV Video Server, which is supplied with or without the module preloaded.

Installation

If you purchased the AXIS IVM120 People Counter separately, the module must be installed manually in the AXIS 242S IV. This is done by uploading a file to the video server, via a web page in the server's web interface.

Note that only product administrators can upload new IV modules.

1. In the IV Module upload section, enter the file name and path to the AXIS IVM120 People Counter. Alternatively, click the **Browse** button to locate the file and then click the **Upload** button. Once uploaded the module will be available for selection in the module list, as shown above.

2. To start the AXIS IVM120 People Counter, select it in the list and click the **Start** button. This will now be shown as the *Running IV Module.*

3. To configure the AXIS IVM120 People Counter, click the **Edit Parameters...** button.

Configuration of the AXIS IVM120 People Counter

To ensure accurate counting of persons passing the camera, the AXIS IVM120 People Counter must be calibrated before use.

Open the configuration page by clicking the button on the Live View page, or from the menu item **Setup > Intelligent Video > Edit Parameters**.
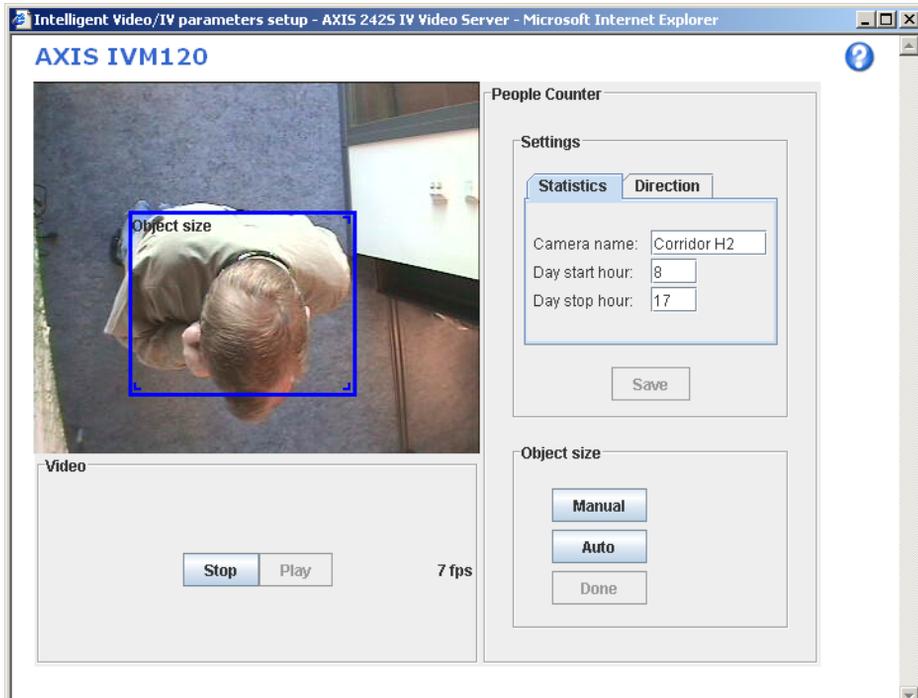
Configuration

The steps required to configure the AXIS IVM120 People Counter are as follows:

1. **Statistics – Camera name** - Enter the name of the camera or location the AXIS IVM120 People Counter is viewing. This name appears on the statistics chart (see below).

2. **Statistics – Day start/stop hour** - Enter the hours at which people counting starts and stops. These values are used on the horizontal axis of the statistics chart.

3. Click the **Save** button.

4. Define the size of the person as seen in the video image. To do this automatically, click the **Object size – Auto** button and then walk past the camera a couple of times. Walk in a normal fashion and be sure to leave the camera view completely each time you pass. If possible, have several different people walk past the camera. Click **Done** to finish.

    To calibrate manually, pause the video stream with a person in the camera view. Then click the **Object size – Manual** button. This displays a blue box in the image. Resize the box so that the person just fits inside it (see the illustration above). The box is resized by clicking and dragging any of its 4 corners, and is moved by dragging it to a new position. Note that the <u>position</u> of the box does <u>not</u> affect people counting, only the size is relevant. Click **Done** to finish.

5. Set the **Direction**, that is, select *Up* or *Down*, to set the direction in which passing persons will be counted.

6. Click the **Save** button.

Statistics

To view the results for the AXIS IVM120 People Counter, click the **Status** button 🔵 on the Live View page, or select the menu item **Setup > Intelligent Video > Status**.

The graph that appears shows the results for people counting. The number of people counted is indicated as a trend on the vertical axis, and time periods are shown on the horizontal axis.

The camera name shown at the top of the graph, and the start & stop times for people counting are configured on the **Edit Parameters** page. The scale of the vertical axis is adjusted automatically, as and when required.
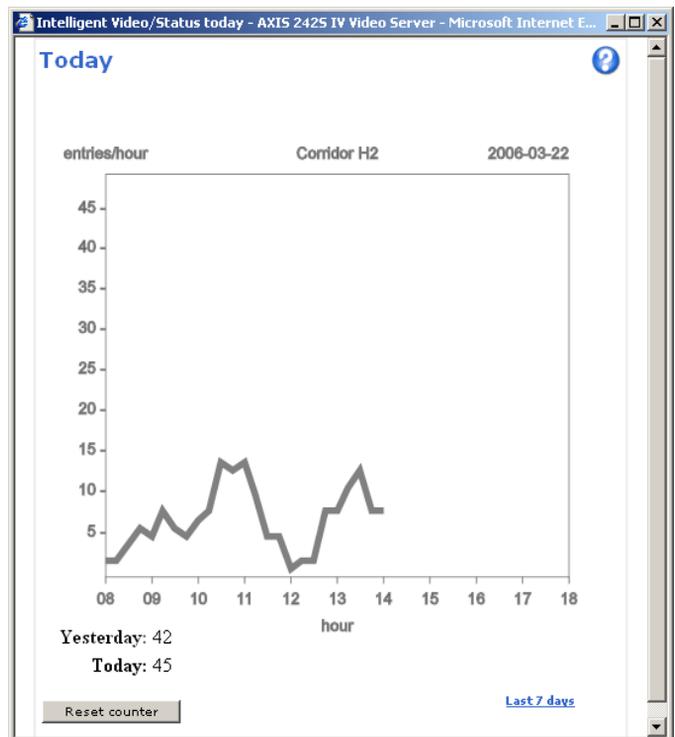
The graph is updated every 15 minutes. For each update, the total from the preceding hour is plotted, using the middle of the hour as the plotting point. This means that the value shown at, for example, 12:00 is the total value for the period 11:30 to 12:30, the value shown at 12:15 is the total for the period 11:45 to 12:45, and so on.

Clicking the **Reset counter** button returns the counted value to zero, that is, all data for the last 7 days is lost, which is also the case when resetting the unit to the factory default settings. If the video server is restarted, only the data from the preceding 15 minutes is lost