

TrueView People Counter®

Quick Guide – Installation and Configuration

Embedded for Axis IP cameras version 3.0
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Equipment and Software

Axis Camera

The TrueView People Counter® works with most Axis ACAP camera model, however it is strongly recommended to use a camera model that comes with a pre-calibrated mode which will therefore have higher accuracy and will be easier to calibrate.

The most up to date list of pre-calibrated models can be found at the following link:
<http://www.cognimatics.com/Products/TrueView-People-Counter/Tech-Specs>

TrueView People Counter® Software

A download link to the software is included within the license delivery document.

It is also possible to download the software by entering your registration code at:
<http://face.cognimatics.com/downloads>

Network

In order to power the camera you need a network with a POE function. If POE functionality is not available in your switch, you can use a midspan (such as Axis T8120) to power the camera.

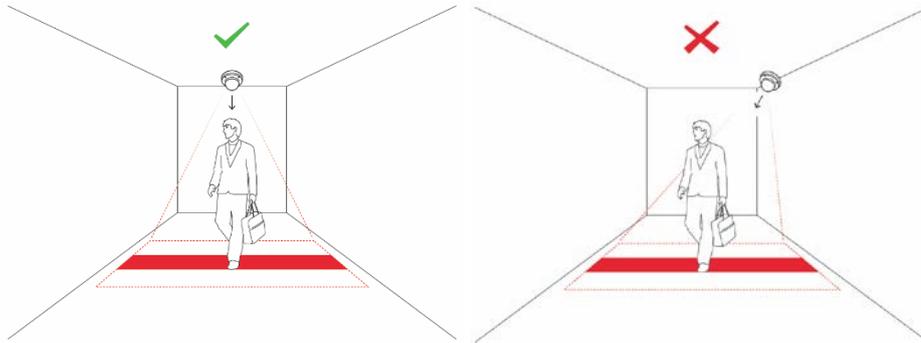
Mounting of Camera

The camera should be mounted straight above the point where people should be counted and should be facing straight down.

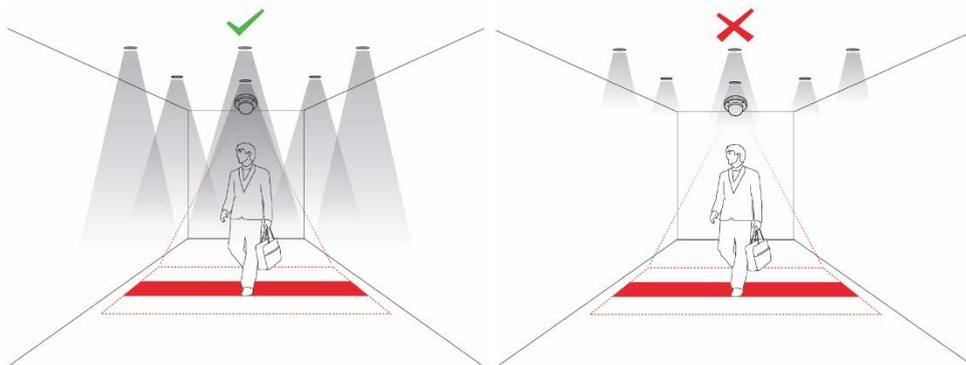


Mount the camera facing straight down.

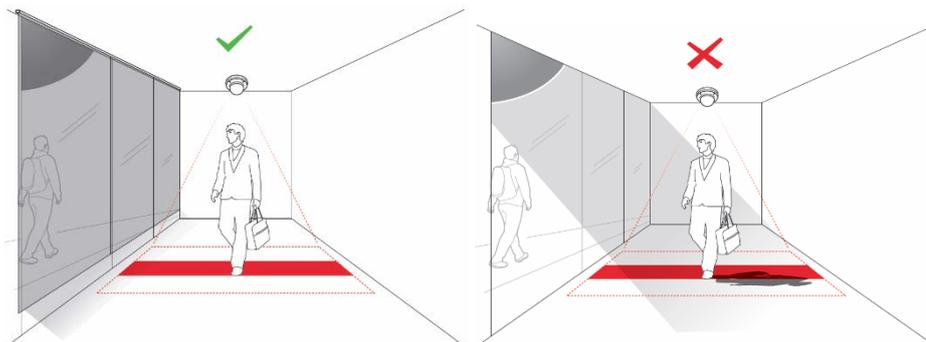
Make sure that no doors or other items are moving within the counting area. Do not mount the camera, for example, above an escalator. Also try to avoid getting very strong light and sharp shadows in the camera view.



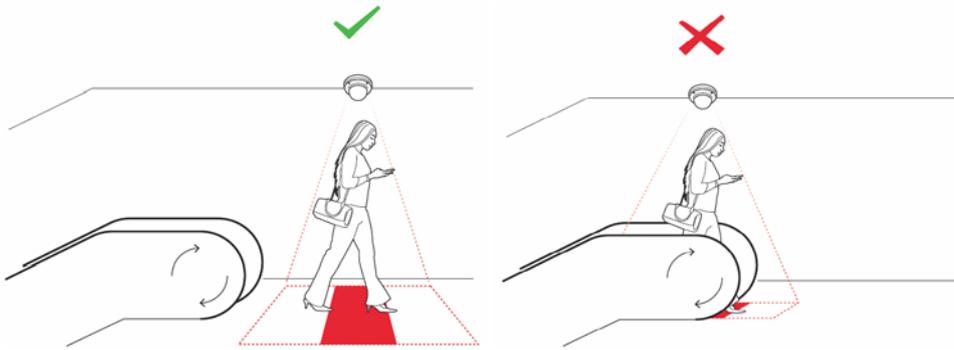
Place the camera straight over the area where people are walking. Make sure that the camera is looking straight down and is not tilted.



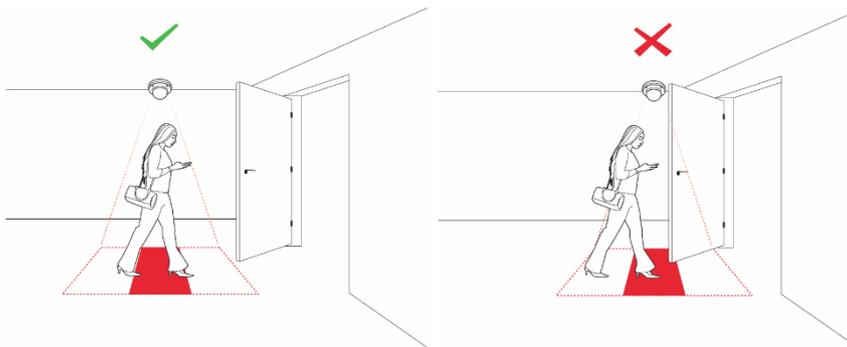
Make sure there is enough light.



Avoid having direct sunlight into the counting zone.



Avoid having moving objects like an escalator steps in counting area.



Make sure that doors are not opened into the counting zone.

Connection to Camera

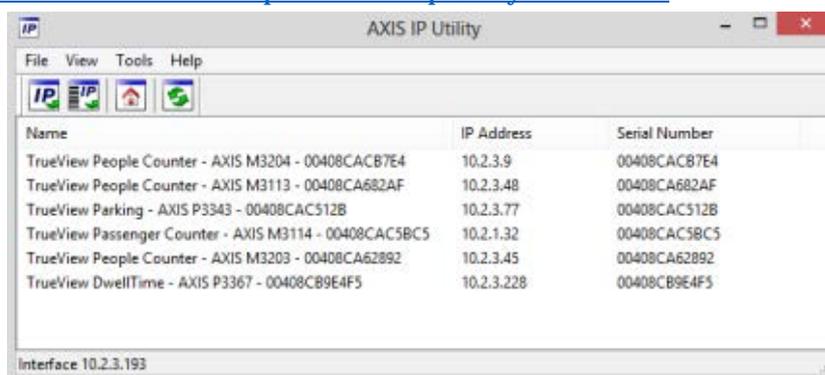
When the camera is mounted correctly and connected to the network you can access the camera and make the initial network configurations.

Access the camera by entering the IP address to the camera in your web browsers address field. The default user name and password for the camera is “root” and “pass”.

If you don't know the IP of your camera you can use the Axis IP Utility client to find your camera in the network.

The applications are free and can be downloaded at:

<http://www.axis.com/techsup/software/iputility/index.htm>



Installation and Registration

Download the TrueView People Counter® application via the software download link included in the license delivery document. Make sure to select the version that corresponds to the camera model being used.

Upload the Software to the Camera

In the Axis menu go to Applications and Select package file to upload.



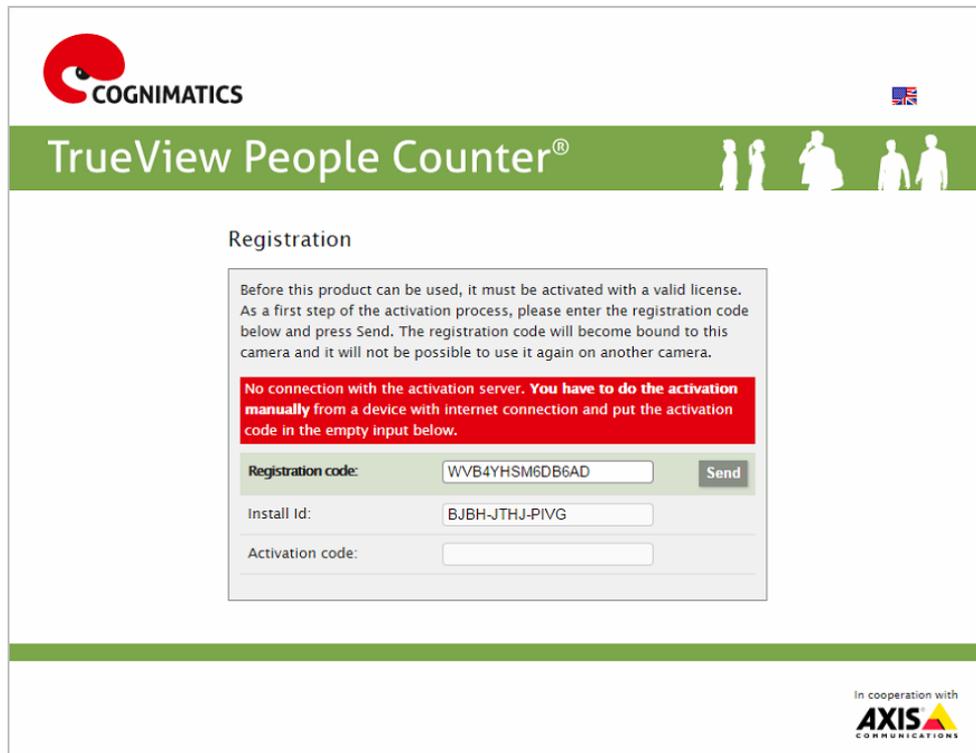
Activate the License

The application will now load onto the camera and you will be prompted for the registration code within 30 seconds.



Activate the License without Internet Access

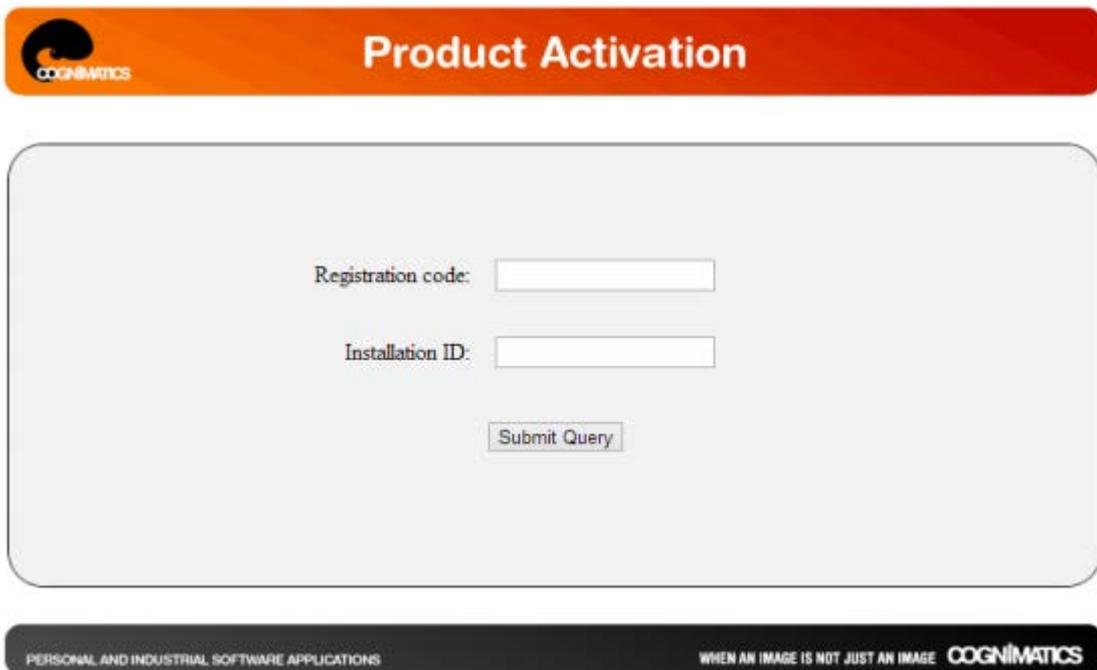
If the camera does not have external access to Internet you will be prompted for manual activation from a computer that has access to Internet.



The screenshot shows the Cognimatics TrueView People Counter registration interface. At the top left is the Cognimatics logo, and at the top right is a UK flag. Below the header is a green bar with the text "TrueView People Counter®" and icons of people. The main content area is titled "Registration" and contains a text box explaining the activation process. A red error message states: "No connection with the activation server. You have to do the activation manually from a device with internet connection and put the activation code in the empty input below." Below the error message are three input fields: "Registration code:" with the value "WVB4YHSM6DB6AD", "Install Id:" with the value "BJBH-JTHJ-PIVG", and "Activation code:" which is empty. A "Send" button is next to the first field. At the bottom right, it says "In cooperation with AXIS COMMUNICATIONS".

Write down your registration code and Install ID and logon to below site from a computer with Internet access.

<http://face.cognimatics.com/activation>



The screenshot shows the "Product Activation" page. At the top is a red header with the Cognimatics logo and the text "Product Activation". Below the header is a large grey rounded rectangle containing two input fields: "Registration code:" and "Installation ID:". Below these fields is a "Submit Query" button. At the bottom of the page is a black footer with the text "PERSONAL AND INDUSTRIAL SOFTWARE APPLICATIONS" on the left, "WHEN AN IMAGE IS NOT JUST AN IMAGE" in the middle, and the Cognimatics logo on the right.

Copy the Activation ID and add to your camera.
Initial Configuration

When the application has been registered you will see a quick start setup page where you enter the basic configuration parameters.

It is very important that the visual height parameter matches the actual height at which the camera has been mounted.

The screenshot shows the 'Quick Start' configuration page for TrueView People Counter. The page has a green header with the COGNIMATICS logo and navigation links for STATISTICS, LIVE VIEW, SETTINGS, and HELP. The main content area is white with a green border. It contains a 'Quick Start' section with a congratulatory message and instructions. Below this are several configuration fields: 'Counter name' (text input with value 'Axis-00408CE9CF3B'), 'Account with Administrator Privileges' (text input with value 'root'), 'Root password' (text input), 'Visual height' (text input with value '420' and a unit dropdown set to 'cm'), 'Direction in' (radio buttons for 'Up' and 'Down', with 'Up' selected), 'Occupancy' (checkbox checked for 'Enable'), and 'Occupancy counter name' (text input with value 'Axis-00408CE9CF3B (Occupancy)'). A green button at the bottom right says 'Save settings and enable counter'.

After clicking on Save settings and enable counter, the application will start counting and you will be re-directed to the settings page of the TrueView People Counter®.

Settings and Calibration

In General settings you can change the name, visual height, digital zoom, counter sensitivity, and direction.

⚙️ General	
Counter status:	<input type="radio"/> Enabled <input checked="" type="radio"/> Disabled
Counter name:	<input type="text" value="Axis-00408CE9CF3B"/>
Calibration mode:	<input checked="" type="radio"/> Height setting <input type="radio"/> Manual setting
Visual height:	<input type="text" value="420"/> <input type="text" value="cm"/> Max 813 cm
Counter sensitivity (0):	<input type="range"/> 
Digital zoom:	<input checked="" type="checkbox"/> - <input type="button" value="Setup"/>
Direction in:	<input checked="" type="radio"/> Up <input type="radio"/> Down

In Network and time settings make sure that the current time of the camera is correct. It is also necessary to specify DNS servers and a NTP server which the camera will use to correctly synchronize time, if you have not already done so.

If the camera has external access to the Internet, it is strongly recommended that you use the default settings.

🌐 Network & time	
Current time:	Date: <input type="text" value="2015-06-25"/> Time: <input type="text" value="21:18:41"/>
Use default settings:	<input checked="" type="checkbox"/> <input type="button" value="Hide"/>
DNS:	<input type="radio"/> Obtain via DHCP <input checked="" type="radio"/> Manual
DNS server:	Primary: <input type="text" value="8.8.8.8"/> Secondary: <input type="text" value="8.8.4.4"/>
Use NTP:	<input checked="" type="checkbox"/>
NTP server address:	<input type="text" value="pool.ntp.org"/>
Time zone:	<input type="text" value="GMT+01 (Amsterdam, E)"/>
Automatically adjust for daylight saving time changes:	<input checked="" type="checkbox"/>

The Counting zone allows you to modify the area where people will be detected.

Counting zone	
Curved line:	<input checked="" type="checkbox"/>
Radius:	
Line offset:	
Counting zone height:	
Counting zone width:	

If you are using the TrueView Web Report® enter the URL and camera group credentials in the following section.

TrueView Web Report	
Enable:	<input checked="" type="checkbox"/>
URL:	<input type="text" value="http://demo.cognimatics.com/"/>
Version 2.0 or higher:	<input checked="" type="checkbox"/>
User name:	<input type="text" value="store"/>
Password:	<input type="password" value="...."/>
Test Connection:	<input type="button" value="Run Test"/>

It is recommended to set a schedule for when the counter should be enabled and disabled.

Counting schedule	
Per day schedule: <input checked="" type="checkbox"/>	
Monday (04:45-15:25):	<input checked="" type="checkbox"/>
Tuesday (00:00-14:55):	<input checked="" type="checkbox"/>
Wednesday (06:55-14:10):	<input checked="" type="checkbox"/>
Thursday (04:20-20:55):	<input checked="" type="checkbox"/>
Friday (03:35-18:55):	<input checked="" type="checkbox"/>
Saturday (04:50-20:20):	<input checked="" type="checkbox"/>
Sunday (03:35-17:55):	<input checked="" type="checkbox"/>