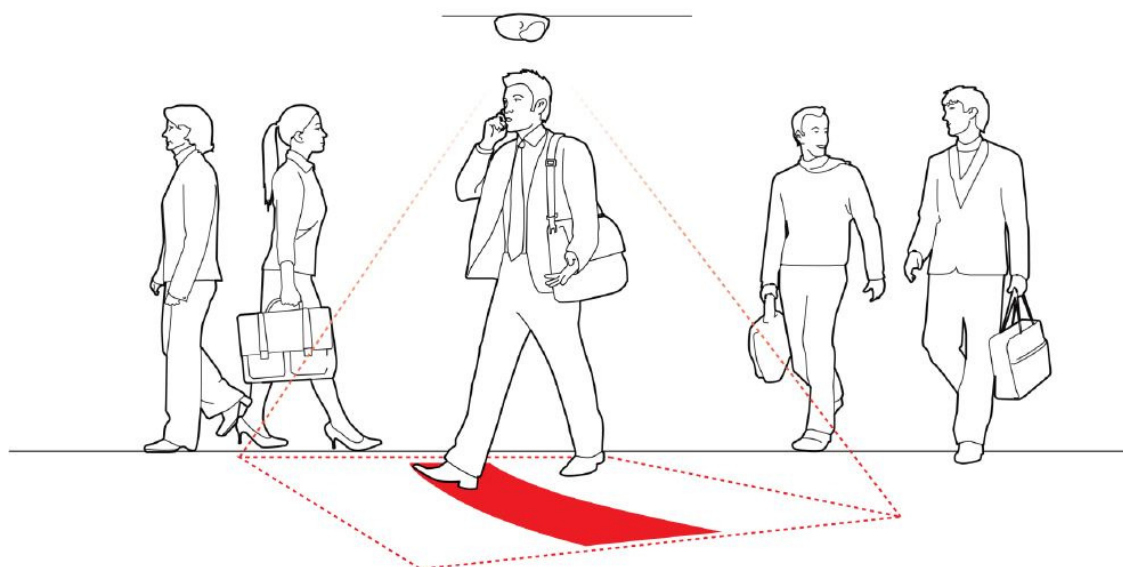


People Counter installation and configuration



Equipment and software	2
Axis camera.....	2
People Counter software	2
Network.....	2
Mounting of camera	2
Connection to camera.....	3
Configuration of network and time settings in camera.....	4
Installation and registration of the People Counter application	5
Upload the application to the camera	5
Activate the license.....	6
Activate the license without Internet access	6
Configuration of the People Counter application.....	8
Abbreviations.....	10

Equipment and software

Axis camera

The People Counter applications works on most Axis ACAP camera models. It is however recommended to use a camera that is pre-calibrated for different heights.

See list of recommended camera models at:

<http://www.cognimatics.com/en/products/people-counter/tech-specs>

People Counter software

The People Counter software can be downloaded from Cognimatics website. You will get the path together with the delivery of your license.

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 to power the camera.

Examples of midspan is Axis T8120.

Mounting of camera

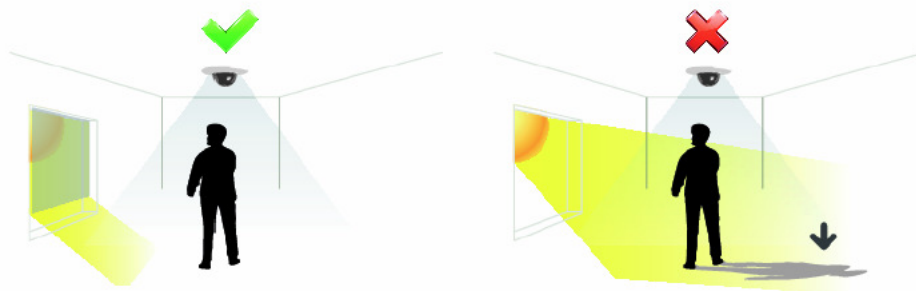
The camera should be mounted at a 90 degree angle downwards and be placed centrally over the passage for counting. Make sure that the lens is not tilted.



The cameras need sufficient light to produce good accuracy. A minimum of 80 LUX in the scene is recommended.



Avoid strong sunlight and sharp shadows in the scene if possible. If the scene has strong light and sharp shadows we recommend using a camera model with a faster processor that can handle this situation. Examples of cameras with faster processors are: Axis M3006 or P3363.



Avoid moving objects like a door to enter the red counting zone if possible.



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 or Axis Camera Management 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>

http://www.axis.com/products/cam_mgmt_software/index.htm

IP		
AXIS IP Utility		
File View Tools Help		
Name	IP Address	Serial Number
TrueView People Counter - AXIS M3204 - 00408CACB7E4	10.2.3.9	00408CACB7E4
TrueView People Counter - AXIS M3113 - 00408CA682AF	10.2.3.48	00408CA682AF
TrueView Parking - AXIS P3343 - 00408CAC512B	10.2.3.77	00408CAC512B
TrueView Passenger Counter - AXIS M3114 - 00408CAC5BC5	10.2.1.32	00408CAC5BC5
TrueView People Counter - AXIS M3203 - 00408CA62892	10.2.3.45	00408CA62892
TrueView DwellTime - AXIS P3367 - 00408CB9E4F5	10.2.3.228	00408CB9E4F5
Interface 10.2.3.193		

Configuration of network and time settings in camera

In the Axis camera it is recommended to setup DNS and NTP servers.

Go to System Options->Network->TCP/IP->Advanced and enter a DNS and NTP server.

If you have access to Internet you can use a public DNS and NTP server like:

DNS: 8.8.8.8

NTP: pool.ntp.org

The screenshot shows the configuration interface for an AXIS M3113 Network Camera. The left sidebar contains a navigation menu with categories like Basic Setup, Video, Live View Config, PTZ, Detectors, Applications, Events, Recordings, System Options, and About. Under System Options, the Network section is expanded, showing TCP/IP, Basic, Advanced, SOCKS, QoS, SMTP (email), SNMP, UPnP™, RTP, Bonjour, Storage, LED, Maintenance, Support, and Advanced. The main content area is titled 'Advanced TCP/IP Settings' and includes several configuration sections: DNS Configuration, NTP Configuration, Host Name Configuration, Link-Local IPv4 Address, HTTP, HTTPS, NAT traversal (port mapping) for IPv4, FTP, and RTSP. The DNS Configuration section has two radio buttons: 'Obtain DNS server address via DHCP' (unselected) and 'Use the following DNS server address:' (selected). Below the selected option are fields for Domain name, Primary DNS server (set to 8.8.8.8), and Secondary DNS server. The NTP Configuration section also has two radio buttons: 'Obtain NTP server address via DHCP' (unselected) and 'Use the following NTP server address:' (selected). Below the selected option is a field for Network address (set to pool.ntp.org). The Host Name Configuration section has two radio buttons: 'Obtain host name via IPv4 DHCP' (selected) and 'Use the host name:' (unselected). Below the selected option is a field for Host name (set to axis-00408ca682af). There is also an unchecked checkbox for 'Enable dynamic DNS updates' and a field for 'Register DNS name:' (set to axisproduct.example.com). The Link-Local IPv4 Address section has a checked checkbox for 'Auto-Configure Link-Local Address'. The HTTP section has a field for 'HTTP port:' (set to 80). The HTTPS section has a field for 'HTTPS port:' (set to 443). The NAT traversal (port mapping) for IPv4 section has a button for 'Enable' and an unchecked checkbox for 'Use manually selected NAT router:'. Below this is a field for 'Alternative HTTP port:' (set to 0). The FTP section has a checked checkbox for 'Enable FTP server'. The RTSP section has a checked checkbox for 'Enable RTSP server*' and a field for 'RTSP port:' (set to 554). At the bottom of the page are 'Save' and 'Reset' buttons.

AXIS M3113 Network Camera Live View | Setup | Help

Advanced TCP/IP Settings

DNS Configuration

☐ Obtain DNS server address via DHCP View

☒ Use the following DNS server address:

Domain name: (use ; to separate names)

Primary DNS server:

Secondary DNS server:

NTP Configuration

☐ Obtain NTP server address via DHCP View

☒ Use the following NTP server address:

Network address: (host name or IP address)

Host Name Configuration

☒ Obtain host name via IPv4 DHCP View

☐ Use the host name:

☐ Enable dynamic DNS updates

Register DNS name: (Axisproduct.example.com)

TTL:

Link-Local IPv4 Address

☒ Auto-Configure Link-Local Address View

HTTP

HTTP port:

HTTPS

HTTPS port:

NAT traversal (port mapping) for IPv4

NAT traversal is disabled.

☐ Use manually selected NAT router: (LAN IP address)

Alternative HTTP port: *

* If set to blank or 0, a port number will be set automatically upon enable.

FTP

☒ Enable FTP server

RTSP

☒ Enable RTSP server*

RTSP port:

* H.264 video streams will be unavailable if this is disabled.

When you have entered the DNS and NTP settings you should setup the time in the camera. Go to Basic Setup->Date & Time. Select your Time zone and tick the daylight saving if your country uses summer and winter time. Also tick the Time mode: "Synchronize with NTP server"

AXIS M3113 Network Camera Live View | Setup | Help

Date & Time Settings ?

Basic Setup
 Instructions
 1 Users
 2 TCP/IP
 3 **Date & Time**
 4 Video Stream

Video
Live View Config
PTZ
Detectors
Applications
Events
Recordings
System Options
About

Current Server Time
 Date: 2012-11-23 Time: 13:27:51

New Server Time
 Time zone: GMT+01 (Amsterdam, Berlin, Rome, Stockholm, Warsaw) v
☒ Automatically adjust for daylight saving time changes.
 Time mode:
☐ Synchronize with computer time
 Date: 2012-11-23 Time: 13:27:49
☒ Synchronize with NTP server
 NTP server: pool.ntp.org
☐ Set manually
 Date: 2012-11-23 Time: 13:27:45

Date & Time Format Used in Images
 Specify date format:
☒ Predefined YYYY-MM-DD v
☐ Own %F
 Specify time format:
☒ Predefined 24h v With resolution: 1 second v
☐ Own %T
 Save Reset

Installation and registration of the People Counter application

Download the People Counter application via the URL given to you at the delivery of the license. Make sure you select the version corresponding to the camera model.

Upload the application to the camera

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

AXIS M3113 Network Camera Live View | Setup | Help

Application Packages ?

Basic Setup
Video
Live View Config
PTZ
Detectors
Applications
 Overview
Events
Recordings
System Options
About

Upload Application
 Select package file to upload: Valj fil Ingen fil har valts and click Upload Package (Up to 8MB)

Installed Applications

Application	Version	Vendor	Status	License installed

Start Stop Remove Log

Activate the license

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



Registration

Before this product can be used, it must be activated with a valid license. As a first step of the activation process, please enter the registration code below and press Send. The registration code will become bound to this camera and it will not be possible to use it again on another camera.

Registration code:

Send

In cooperation with



Activate the license without Internet access

If your camera has no access to Internet you will be prompted for manual activation from a computer that has access to Internet.



Registration

Before this product can be used, it must be activated with a valid license. As a first step of the activation process, please enter the registration code below and press Send. The registration code will become bound to this camera and it will not be possible to use it again on another camera.

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.

Registration code:

L2GPPVNYVJKJDB

Send

Install Id:

OHMT-UXJR-OFKQ

Activation code:

In cooperation with



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

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



Product Activation

Registration code:

Installation ID:

PERSONAL AND INDUSTRIAL SOFTWARE APPLICATIONS

WHEN AN IMAGE IS NOT JUST AN IMAGE **COGNIMATICS**

Copy the Activation ID and add to your camera.

Configuration of the People Counter application

When the People Counter application is registered you will see a quick start setup page where you enter the most common setup values.

[Statistics](#)[Live view](#)[Settings](#)[Help](#)

TrueView People Counter™

Quick Start

Congratulations! You have successfully finished installation and registration of TrueView People Counter™. The application now needs to be configured. Follow these steps to perform the initial configuration.

If you like you can safely skip these steps and proceed directly to the regular [configuration page](#).

Counter name:

The name of the counter, as it will be stored in your data files.

Account with Administrator Privileges:

This should be the account you log onto the People Counter with. Most often this is the root account.

Root password:

The password for the above account.

Visual height:



Usually the camera's height above the floor. The visual height may differ slightly from actual height due to type of lighting conditions.

Direction in:

☒ Up☐ Down

The direction in the camera view that is regarded as going into the shop (up/down).

In general settings you can change the name, visual height, digital zoom and direction.

General	
Counter status:	☒ Enabled ☐ Disabled
Counter name:	Axis-00408CACB7E4
Calibration mode:	☒ Height setting ☐ Manual setting
Visual height:	270 cm max 473
Digital Zoom:	☐ <input type="range"/>
Direction in:	☒ Up ☐ Down

In the counting zone you change the area for where to detect the person.

Counting zone	
Curved line:	☐
Line offset:	<input type="range"/>
Counting zone height:	<input type="range"/>
Counting zone width:	<input type="range"/>

If you have access to the True View Web Report server you enter the URL, camera group user name and password.

TrueView Web Report™	
Enable:	☒
URL:	http://demo.cognimatics.com/
Version:	2 v
User name:	cameragroup1
Password:	
Test Connection:	Run Test

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

Counting schedule	
Per day schedule:	☒
Monday (08:00-19:00):	☒ <input type="range"/>
Tuesday (08:00-19:00):	☒ <input type="range"/>
Wednesday (08:00-19:00):	☒ <input type="range"/>
Thursday (08:00-19:00):	☒ <input type="range"/>
Friday (08:00-19:00):	☒ <input type="range"/>
Saturday (08:00-16:00):	☒ <input type="range"/>
Sunday (08:00-16:00):	☒ <input type="range"/>

Abbreviations

ACAP - AXIS Camera Application Platform

Platform for upload of 3rd party applications like the People Counter.

POE – Power Over Ethernet

Camera is powered via the Ethernet network.

DNS – Domain Name Server

IP to name server.

NTP - Network Time Protocol

Server to get correct time.

Midspan – Axis power adapter.

Axis IP Utility – Application to find Axis cameras on network.

Axis Camera Management - Application to find Axis cameras on network.