

---

# Report Daemon

Manual

This manual describes version 2.0 of *Report Daemon*.

Copyright © 2011 Cognimatics

## Table of Contents

Overview .....	1
Installation .....	1
Using <i>Report Daemon</i> .....	1
What is happening behind the scene .....	1
Counter, Settings and Export .....	1

## Overview

*Report Daemon* is a tool used for gathering and storing data generated by Trueview People Counter, Trueview Bicycle Counter and TrueView HeatMap. The application is available for Windows and Linux platforms.

## Installation

*Report Daemon* is cross platform compatible with Windows and Linux as long as Qt-libraries are installed.

The installation of *Report Daemon* is very simple, on windows: just double-click on the installation file and choose where the program should be installed. On linux: just copy the executable file to the directory of your choice. In addition to this you will have to install the QT libraries which can be downloaded from: <http://qt.nokia.com>

## Using *Report Daemon*

### What is happening behind the scene

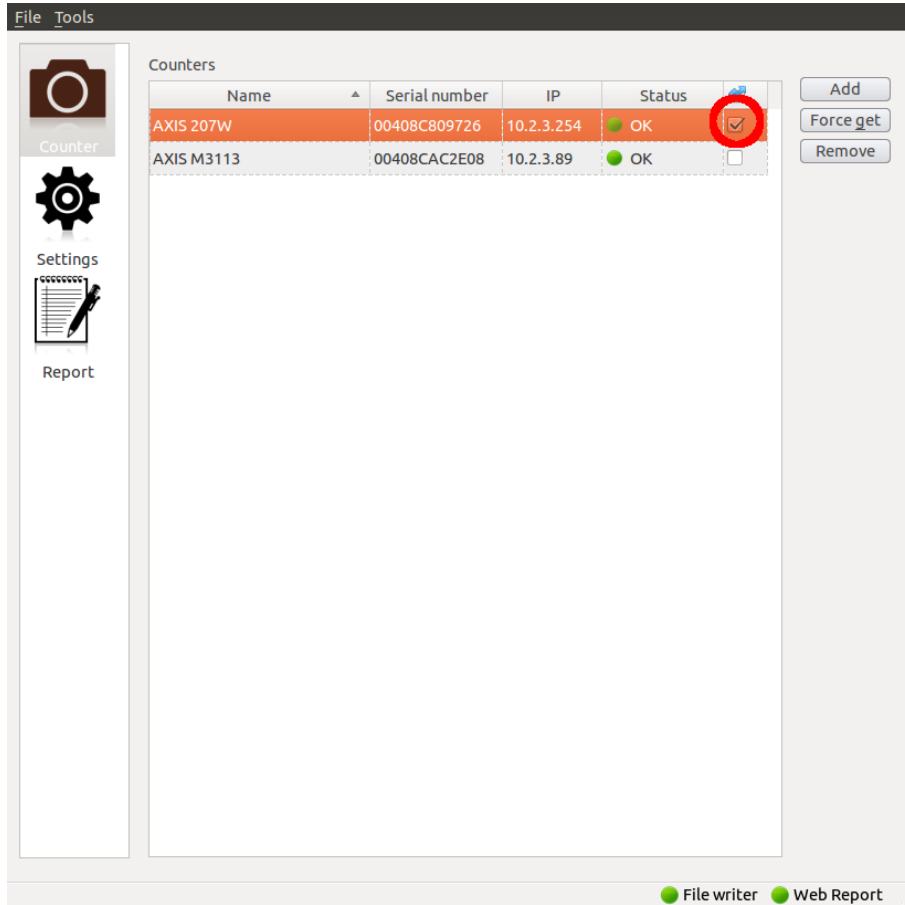
The application will automatically store data every 15 minutes from the counters added in the main screen. This data is saved in the "tvlc" folder of the path specified in the settings screen. You can always generate csv-reports with your preferences later on, but the application will also do this for you continuously in the "csvexp" folder IF this is chosen in the "Export" screen. If a TrueView HeatMap camera is added, the application will generate images at a 5 minute resolution. These are saved in the "tvhm" folder. This feature is in its early stages and will be improved.

### Counter, Settings and Export

When *Report Daemon* is started you are presented with the main screen represented by the "Counter" button on the left. The "Settings" button takes you to the settings screen

and the "Report" button will take you to the screen which handles the export of data to Csv-format.

**Figure 1. Main screen**



The main screen consists of a list where all added cameras will be displayed. To add a camera click on the "Add" button. You will then be presented with the add-camera dialog.

**Figure 2. Add camera dialog**

The screenshot shows a dialog box titled "Add camera dialog". At the top, there is a section labeled "Discovered devices" containing a table with three columns: "Ip address", "Name", and "Serial number". Below the table is a "Settings" section with several input fields and a checkbox.

Ip address ^	Name	Serial number
10.2.3.13	AXIS M3113	00408CB64F8B
10.2.3.179	TrueView Zone Counter 212 PTZ	00408C78CF13
10.2.3.254	TrueView People Counter 207W	00408C809726
10.2.3.17	AXIS M3113	00408CB5D601
10.2.3.41	TrueView People Counter - AXIS M3114	00408CAC5BC5
10.2.3.42	TrueView People Counter - AXIS M3014	00408CA507BF

**Settings**

IP or host name:

Port:

Authorization

Username:

Password:

Confirm password:

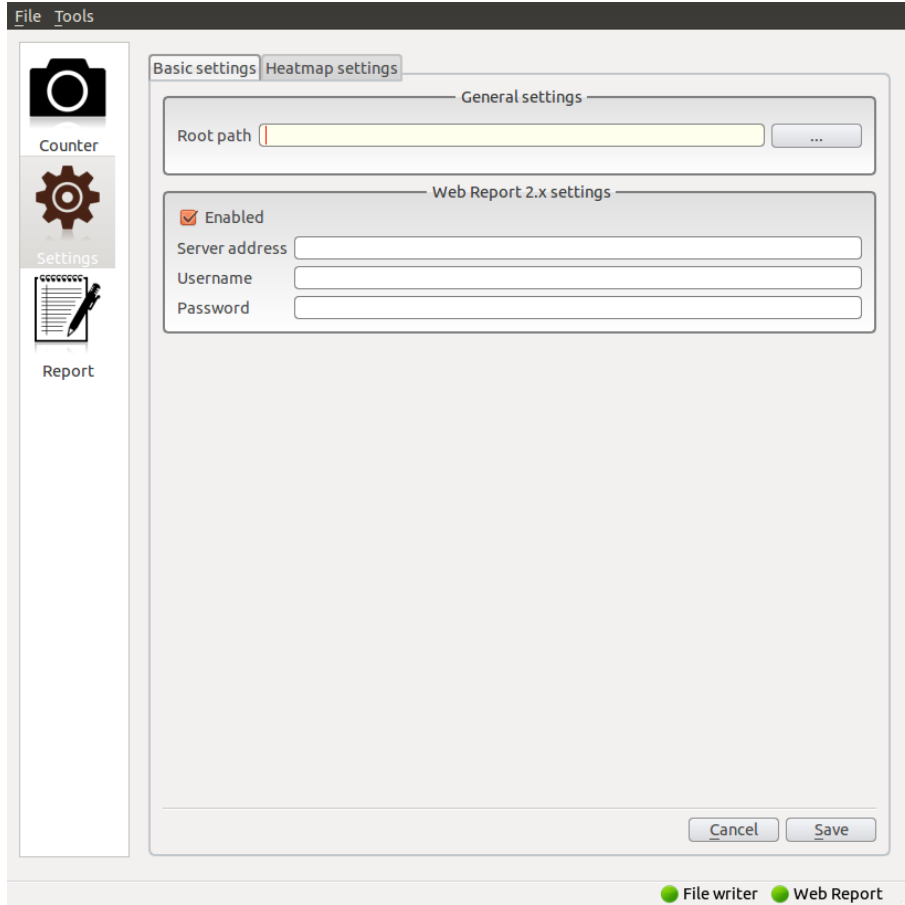
Buttons: Cancel, OK

The application will try to find cameras automatically, if your camera is not listed you can try redoing the process. If this does not work you will have to specify the ip or hostname to the camera manually in the field "IP or host name". If the camera is listed you just have to click it to copy the ip-address and then continue to enter the login details. Besides the hostname or ip you will have to enter the username and password to access the camera if authentication is used in the camera.

With all the data correctly entered just press "Ok" to add the camera.

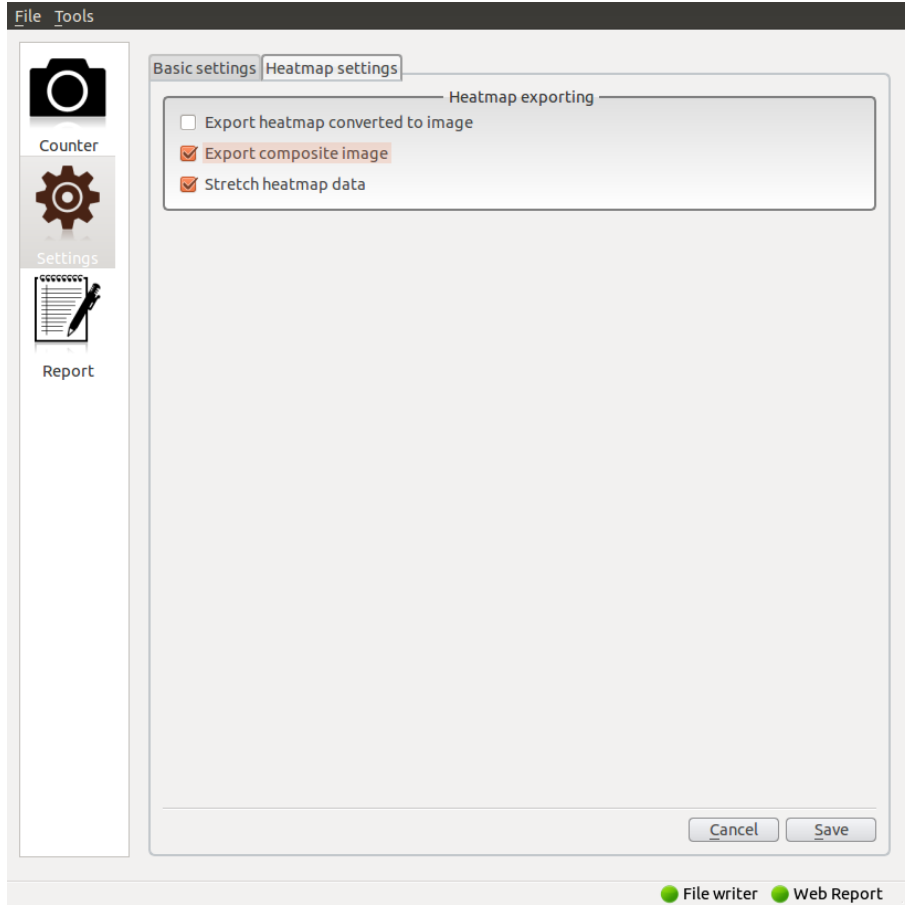
The settings screen holds a number of settings related to data storage. In the General settings window you'll see the field "Root path" which holds the path for which your data is saved. This is pre-set to the folder of your application. You will also see a window where you can enable a connection to TrueView Web Report for People Counters or Bicycle Counters. This is done by clicking "Enabled", entering your server address, username and password for Web Report. Note that you will also have to enable the cameras individually by checking the box to the right for each camera on the main screen.

**Figure 3. Settings screen**



The Settings screen also includes a tab for TrueView Heatmap settings. This will enable you to gather and save Heatmap images. If you want to have jpg-images of the background with an over-laying heatmap, be sure to check the "Export composite image" box. These images will be stored the directory "tvhm". Don't forget to hit save in the bottom-right corner.

**Figure 4. Heatmap settings screen**



The "Report" button takes you to the screen for generating Csv-reports. Here you can manually generate a csv-report for specified dates, format and time-resolution. Mark the cameras for which you want a report and click "Single export from selected counters". You can also check the box for continuous reports and the program will continuously fill csv-reports for all counters. Don't forget to choose the time resolution of your liking before checking the box. These reports will be saved in the csvexp directory.

Figure 5. Report settings screen

The screenshot shows a web interface for configuring report settings. On the left is a sidebar with icons for Counter, Settings, and Report. The main area is titled 'Export settings' and contains several controls: 'From' and 'To' date pickers, a 'Format' dropdown set to '.csv (comma separated)', and a 'Resolution' dropdown set to '15 minutes'. There are two buttons: 'Single export from selected counters' and 'Continuous export from all counters', which is checked. Below these are the labels 'Continuous export activated' and 'Resolution: 15 minutes'. A table below the settings displays the following data:

Name	Serial number	IP	Status
AXIS 207W	00408C809...	10.2.3.254	OK
AXIS M3203	00408CAD5...	10.2.3.158	OK

At the bottom right, there is a status bar with a green dot labeled 'File writer' and a yellow dot labeled 'Web Report disabled'.