Configuring a Irisys Gazelle for Xenometric Collection

Contents

1 Introduction

Irisys was founded in the UK in 1996. They have a range of indoor and outdoor cameras. More detail can be found on their website https://www.irisys.net. Xenometric can collect count data from all Irisys cameras using their Data Push and Pull mechanisms. This document deals with Irisys' Gazelle range (and earlier). We have a separate document that describes how to use Irisys' Vector 4D cameras.

The document doesn't cover the configuration of the sensor for accurate people counting. It covers how to configure the Irisys camera's settings to identify the count lines, site details, localisation (time zone) and how the camera will communicate with the Xenometric software on a private or public network. This includes Xenometric installations on private servers and the Xenometric Cloud.

Irisys cameras can be linked together to form a single view of a wide entrance. The configuration necessary for Xenometric needs only be applied to the master counter. Xenometric's software sees the wide entrance of *n* sensors as a single counting device.

Each Irisys camera can monitor multiple lines. Count lines are used to count pedestrians in two directions (In and Out) from one zone to another. A simple sensor would have one line that form the boundary between two zones, e.g., from the outside world zone to an internal zone within a retailer's property.

To configure to an Irisys camera you can use a web browser to connect with the sensor's IP address or URL, or you can use Irisys' PCST/RIFT software.

Xenometric collects data from many sources and aggregates this data in our SQL Server database. We then offer web reporting from your server or on our cloud. Email reports and direct data access is also available.

2 Irisys Counting Configuration

Xenometric will assign 3 codes that must be applied to the camera before it can send its data to our cloud server. These are the Site ID, Device ID and Locale.

The Site ID will be a string with no spaces and all letters will be in uppercase, e.g. MYCOMPANY0001

The Device ID will be a string with no spaces and all letters will be in uppercase. For a system with only one camera, the Device ID will be AAAAAX

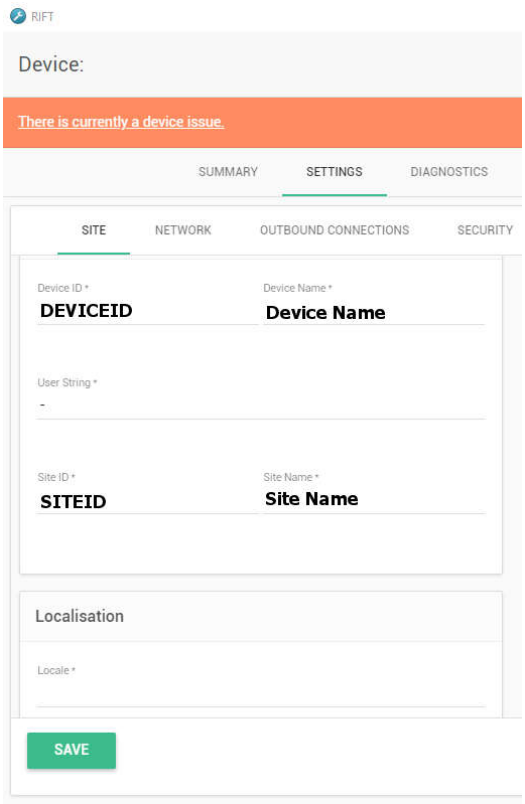
The Locale will be assigned based on your timezone.

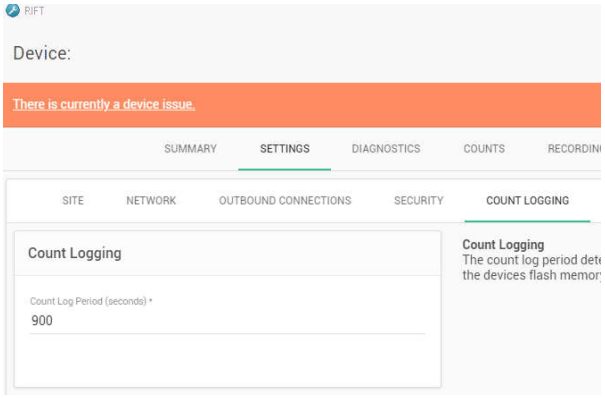
You will also need to apply the timezone for your camera and choose whether to adjust for dalylight saving.

Please set the Count Log Interval to 900 seconds.

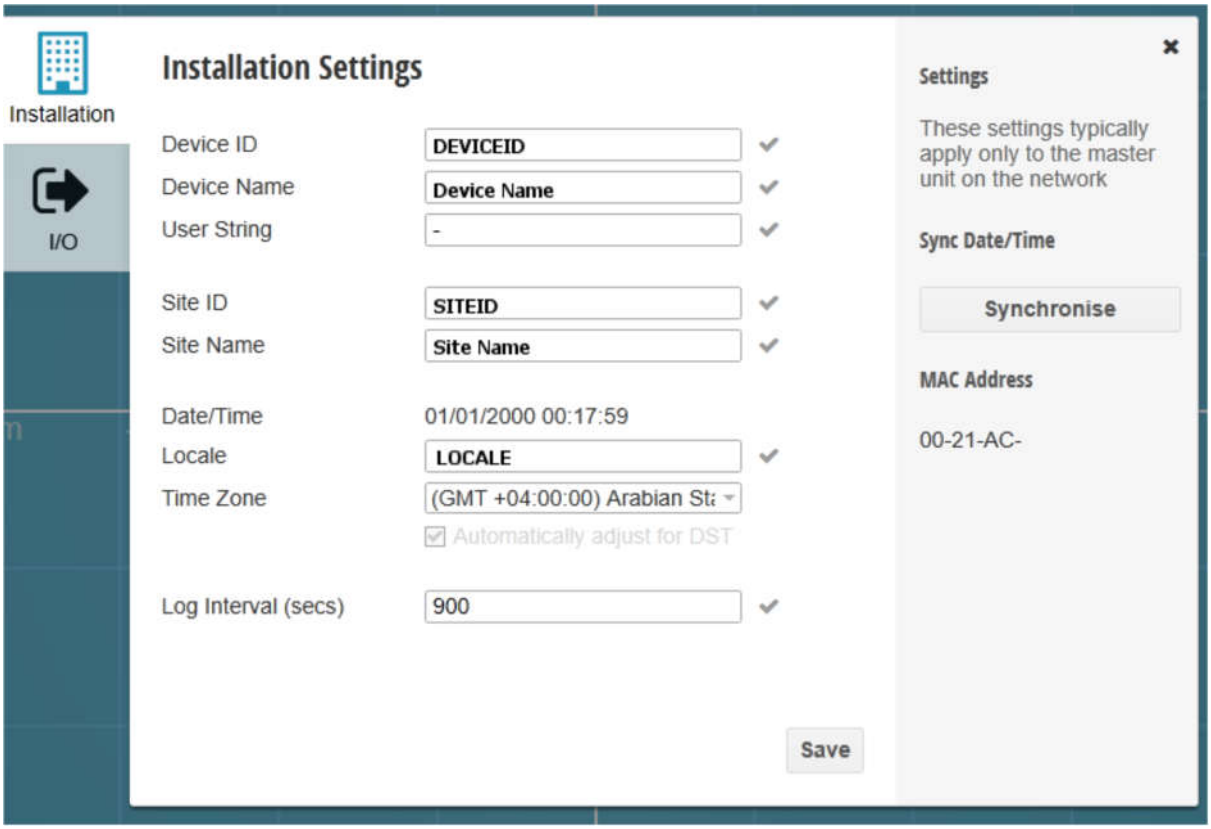
You can choose what descriptions to apply to the Site Name and Device Name.

In Irisys' RIFT software the configuration looks like this.





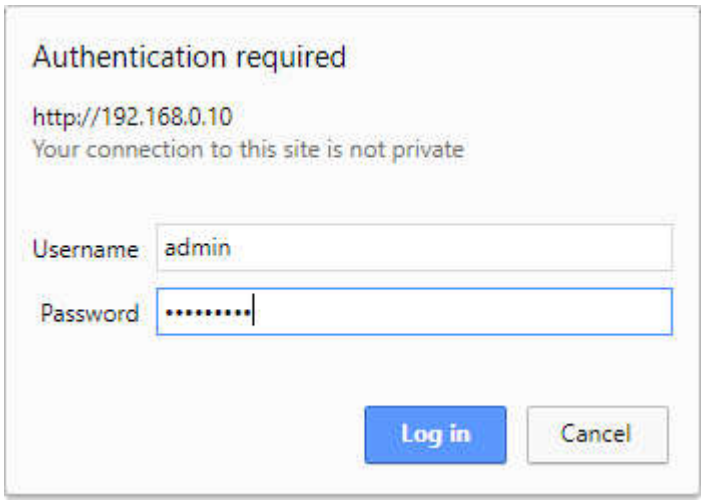
In the Silverlight application, which can run inside Internet Explorer, the configuration screen will look like this.



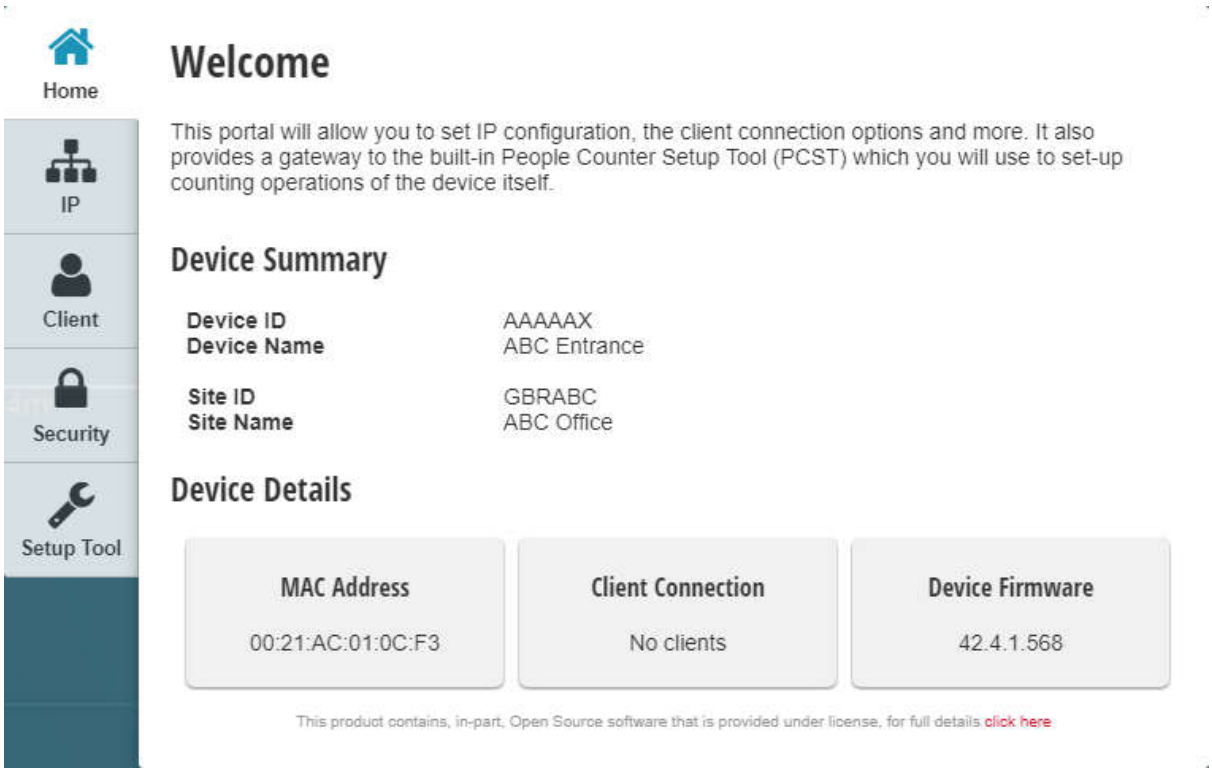
3 Configuring an Irisys Counter for Delivery to Xenometric's Cloud Server

The following steps should be performed in order to configure an Irisys counter to talk to Xenometric's Cloud Server.

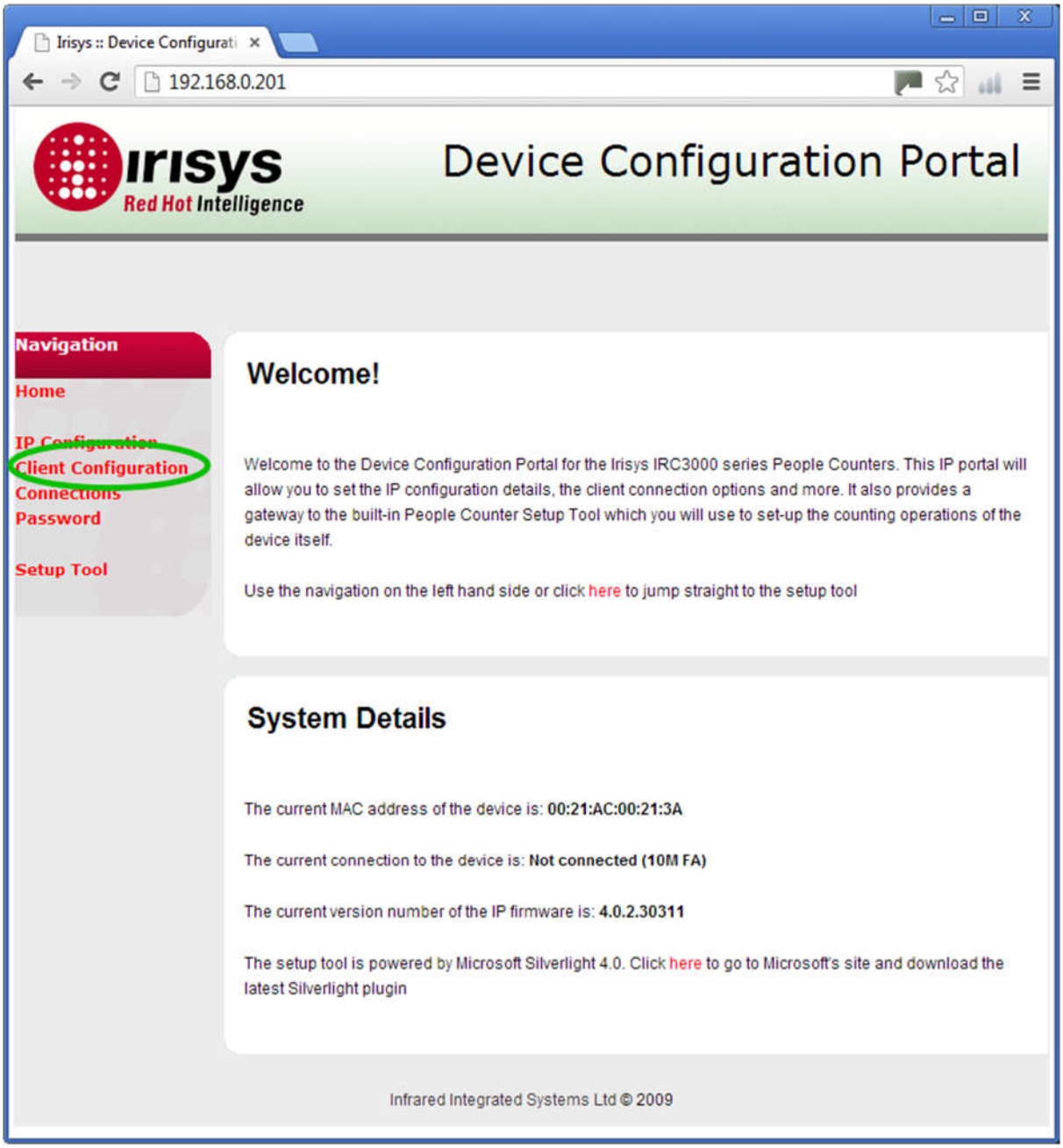
1. Use a web browser to connect to the Irisys counter. You may need to provide a username and password to connect. The default is admin/installer.



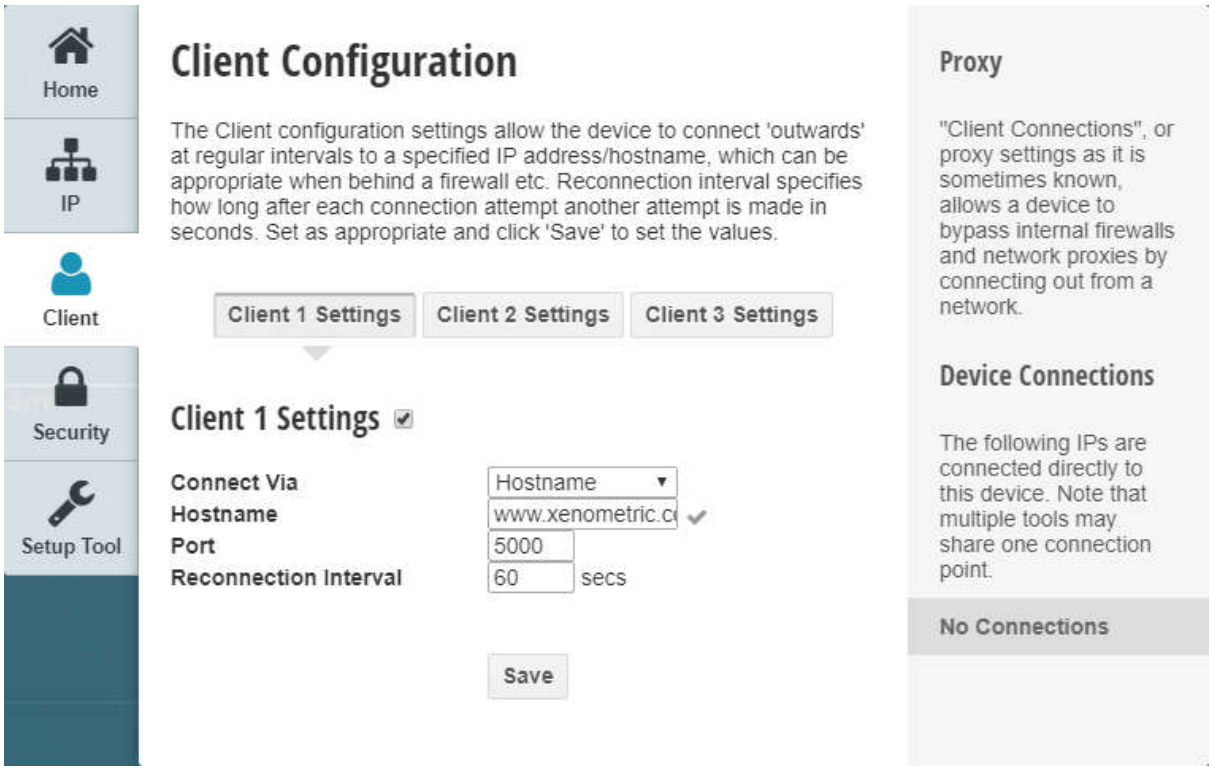
You will then be presented with a screen similar to this



Or an older screen like this.



2. On the newer version, click on the Click on the ‘Client’ tab on the left. On the older version, click on the ‘Client Configuration’ link on the left.



Make sure the checkbox is ticked for Client 1 Settings.

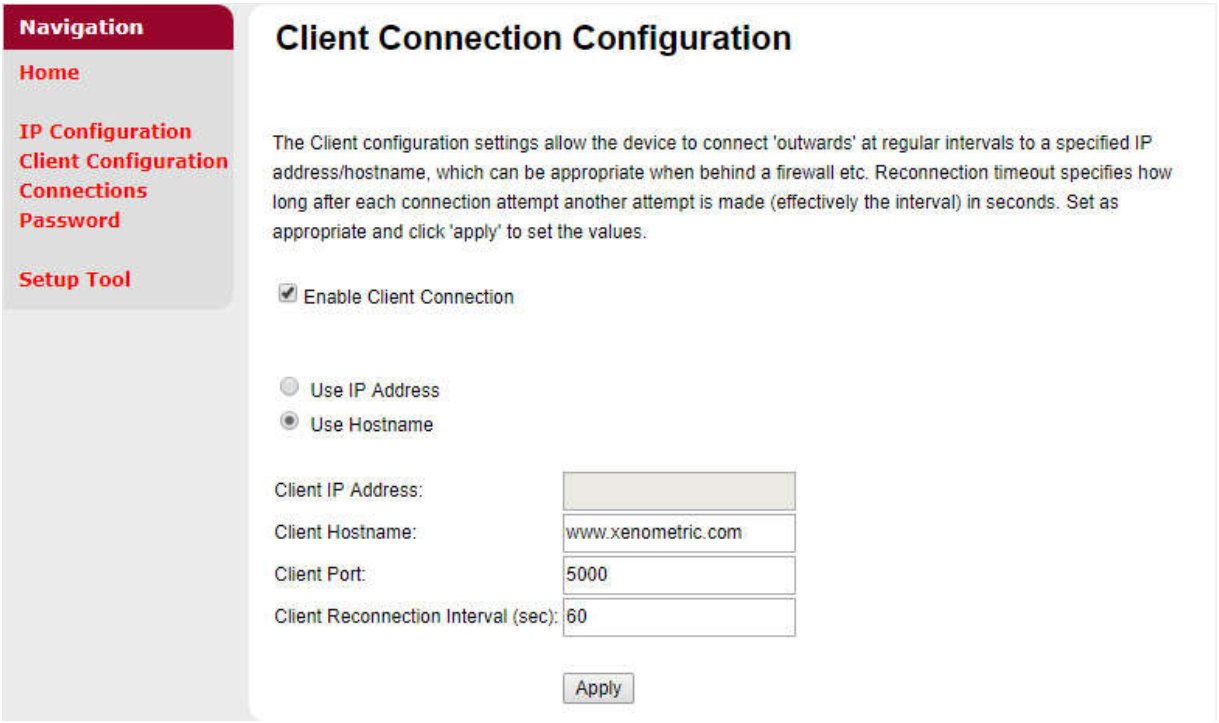
Set the Connect Via dropdown to www.xenometric.com

The Port should be 5000

The Reconnection Interval can remain at 60 seconds.

Press the Save button.

Similar settings should be applied to the old version.



4 Troubleshooting

- Ensure that there is an Internet connection. Can you browse www.xenometric.com in a browser?

- Make sure that there is not a firewall set to block outbound communication (this would be unusual). The firewall needs to allow traffic out on port 5000.

- Make sure that the configuration in the counter is correct. The Site ID and Device ID strings must match one of Xenometric's formats. The locale, timezone and count log interval must be correct.