


This repository


Search


Pull requests


Issues

Gist







 WatershedArts / Footfall

Watch

25

Star

116

Fork

71

Code

Issues3

Pull requests2

Projects0

Wiki

Pulse

Graphs

Application that allows you to monitor the traffic in and out of your building, using the RPi Camera and openFrameworks

people-counter

footfall

openframeworks

opencv

picam

raspberrypi

81 commits

2 branches

1 release

5 contributors

BSD-2-Clause

Branch: master

New pull request

Create new file

Upload files

Find file

Clone or download

DHaylock committed on GitHub Merge pull request #89 from prastut/patch-6 Latest commit fcd9b43 23 days ago

Footfall

- Rearranged MACRO Defs to encapsulate the ofxCvPiCam libs

2 months ago

Web

Merge pull request #41 from paranoidsystems/master

2 months ago

docs

Merge pull request #89 from prastut/patch-6

23 days ago

images

- Added some test footage

3 months ago

LICENCE.md

- Updated Licence

3 months ago

ReadMe.md

Updated README.MD

23 days ago

getrepos.sh

- Added missing repo link

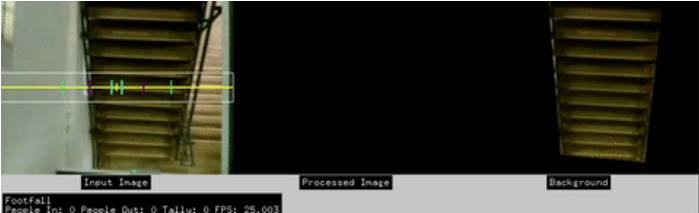
3 months ago

ReadMe.md

## Footfall

### Introduction

Footfall is a camera based people counting system that uses a Raspberry Pi and Pi Cam and openFrameworks. There is more information about the system on our [blog](#).



Important: The source code provides a barebones system that will require customisation for each installation.

This means tweaking variables which are explained in the [Configuration.md](#).

Built using openFrameworks 0.9.8.

### How to Customise

Inside the bin/data folder of the Footfall App there is a config.json file. This contains all of the relevant variables you will need to change.

Please see the [Configuration](#) section.

### Documentation

Find attached the relevant readmes to help build Footfall system.

- [Raspberry Pi](#)
- [Compiling](#)
- [Configuration](#)
- [Running](#)
- [Server](#)
- [Troubleshooting](#)

### Thanks

Thanks to Kyle McDonald for [ofxCv](#) and George Profenza for [ofxCvPiCam] (<https://github.com/orgicus/ofxCvPiCam>).

### Warning

The original software was intended for sole use within [Watershed](#), therefore some of the source code has been altered for public use and differs slightly to our systems. For example our system generated event tags showing screening in conjunction with the total number of people in Watershed, to do this we had to pre-populate some timestamps and may cause an issue if the system is ran past a certain time.

### Fixes

Will update soon.

### Updates

#### Update 1

I have added some new documentation about how to create the server side system database etc... There is also a new guide about how to setup the raspberry pi as a server.

I will be updating this repo with more detailed instructions and improved tracking over the coming weeks.

#### Update 2

15/09/16

I will updating the project to of\_0.9.3 over the next coming weeks this should resolve some of the issues people have been having with ofxCv | ofXML.

#### Update 3

13/02/17

I will updating the project to of\_0.9.8 soon. There will also only be one version of Footfall that should work across all Pi Platforms.

In the mean time. If you are coming up against compiler errors for ofxCvPiCam and ofxCv, try moving the ofxCvPiCam libs then, download the latest ofxCv repo. If you are using an earlier version of F ie less than 0.9.8. checkout the VS2012-stable branch. If you are using 0.9.8 use the origin/stable branch this will negate the glm:: errors.