

User Manual

Project Kitchen Occupation

TSBB11 HT 2013

Version 1.0



Status

Reviewed	–	2013-12-13
Approved		

2013-12-13

Project Kitchen Occupation

Bilder och Grafik CDIO, HT 2013
Department of Electrical Engineering (ISY), Linköping University

Participants

Name	Tag	Responsibilities	Phone	E-mail
Mattias Tiger	MT	Project manager	073-695 71 53	matti166@student.liu.se
Erik Fall	EF	–	076-186 98 84	erifa226@student.liu.se
Gustav Häger	GH	System integration	070-649 03 97	gusha124@student.liu.se
Malin Rudin	MR	–	073-800 35 77	malru103@student.liu.se
Alexander Sjöholm	AS	–	076-225 11 74	alesj050@student.liu.se
Martin Svensson	MS	Documentation	070-289 01 49	marstv106@student.liu.se
Nikolaus West	NW	Testing	073-698 92 60	nikwe491@student.liu.se

Homepage: TBA

Customer: Joakim Nejdeby, Linköping University, Origo 3154

Customer contact: 013-28 17 57, joakim.nejdeby@liu.se

Project supervisor: Fahad Khan, Linköping University, fahad.khan@liu.se

Examiner: Michael Felsberg, michael.felsberg@liu.se

Contents

1	Introduction	1
1.1	About this document	1
2	Calibrating the system	2
3	Configuration the system	3
	References	4

List of Figures

2.1	Overview of the entire system	2
-----	---	---

List of Tables

Document history

Version	Date	Changes	Sign	Reviewed
0.1	2013-12-13	Initial draft	MS	MT

1 Introduction

What to write here? maybe nothing.

1.1 About this document

This document contains instructions on how to setup and use the system. How to install the necessary hardware and software is described as well as how to calibrate and configure the system.

2 Calibrating the system

Calibrate the height...



Figure 2.1: *System overview.*

variables...

3 Configuration the system

Erik...

References

- [1] Gardel, A., Bravo, I., Jimenez, P., Lazaro, J.L. & Torquemada, A.
 “*Statistical Background Models with Shadow Detection for Video Based Tracking*,”
 Intelligent Signal Processing, 2007. WISP 2007. IEEE International Symposium on?? Page: 1-6.
- [2] Zivkovic, Z. & Heijden, F.
 “*Efficient Adaptive Density Estimation per Image Pixel for the Task of Background Subtraction*,”
 Pattern recognition letters, Vol. 27, No. 7. (2006), pp. 773-780.
- [3] Bernardin, K. & Stiefelhagen, R (2008)
 “*Evaluating Multiple Object Tracking Performance: The CLEAR MOT Metrics*,”
 Interactive Systems Lab, Institut für Theoretische Informatik,
 Universität Karlsruhe, 76131 Karlsruhe, Germany

EXAMPLE REFERENCES ONLY, REMOVE BEFORE HANDING IN

- [4] Sonka, M., Hlavac, V. & Boyle, R. *Image Processing, Analysis, and Machine Vision*.
 Toronto: Thompson Learning, cop. 2008, 3rd ed., ISBN 0495244384.
- [5] Wood, J. (2007) “*Statistical Background Models with Shadow Detection for Video Based Tracking*,”
 Master thesis, Linköping University, Department of Electrical Engineering.
- [6] Gustafsson, F., Ljung, L. & Millnert, M. *Signal Processing*.
 Studentlitteratur, Lund, Sweden, 2011, 1st ed., ISBN 978-91-44-05835-1.
- [7] “*CAVIAR: Context Aware Vision using Image-based Active Recognition*,”
 EC Funded CAVIAR project/IST 2001 37540
<http://homepages.inf.ed.ac.uk/rbf/CAVIAR/>