

Abstract

The information of visitor that entering in an area could be an important information for several purposes such as business, security, resources demand, and etc. While numbers of visitors are too excessive that could reduce accuration of manual counting, then this condition needs a system which could count automatically and people counting could do it.

The developing of computer vision could give good accuration when implementing it in people counting. Using Face Detection wih haar-cascade classifier that can give accuration 94%, tracking with extended CAMSHIFT can avoid tracking window collision with the same-color object with accuration 88%. This method can be implemented to people counting.

Keyword : *Computer Vision, People Counting, Haar-Cascade Classifier, Extended CAMSHIFT*