

Object Detection with Artificial neural networks combined with dyadic image downscaling using Haar transform

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Abstract

This paper describes the methodology for identifying a moving object by a fast dyadic image downscaling combined with a artificial neural network (a multi layer perceptron). Given a sequence of images here we basically try to detect a particular type of object (here we used cars) which can be located in different distances. Either it is closer to the camera or moving away from the camera.