

视觉监控应用中多传感器协作的人脸检测系统

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摘要

提出了一种新颖的由两个可控摄像机组成的多传感器视觉监控系统, 旨在实现户外环境下的实时跟踪与特征化运动目标. 特别地, 该系统利用一个在多个缩放级别上可操作的移动摄像机在连续视频帧中自动获取与跟踪人脸. 配合它的是一架能执行自动目标跟踪与分类的固定广域摄像机.

关键词 [多传感器视觉监控](#) [多个缩放级别](#) [目标跟踪](#)

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A Cooperative Multisensor System for Face Detection in Video Surveillance Applications

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Abstract

This paper presents an innovative architecture for multisensor video surveillance characterized by two pan tilt video cameras. The aim of the system is to track and to characterize moving objects in outdoor environments in real time, with a robust behaviour. In particular, the system here presented exhibits the capacity of extracting video shots by means of a mobile camera operating at multiple zoom levels. The mobile camera collects successive frames of face oval, segments them and track them over time automatically, starting from a cooperative initialisation of a static widefield camera performing automatic object tracking and classification.

Key words [Multisensor video surveillance](#) [multiple zoom levels](#) [object tracking](#)

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