

SENSORIAMENTO AÉREO INTELIGENTE: FOTOGRAMETRIA E EXTRAÇÃO DE CONHECIMENTO COM DRONES

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About the lab

The goal of Ivisionlab is to provide real-world applications. Under this perspective, we drive our research from academic requirements to industry needs, visioning the integrative relationship between these two worlds. Currently, our research topics are Smart Cities, Biometric Systems, Biomedicine, and Robotics.



Latest news

Papers in the International Symposium on Medical Information Processing and Analysis (SIPAIM)

Published: Sep 16, 2021

Paper in Conference on Graphics, Patterns and Images (SIBGRAPI)

Published: Sep 16, 2021

Paper in IEEE Intelligent Vehicles Symposium

Published: May 28, 2021

All news

<http://ivisionlab.ufba.br>



Drones Autônomos: Navegação e Mapeamento Inteligente

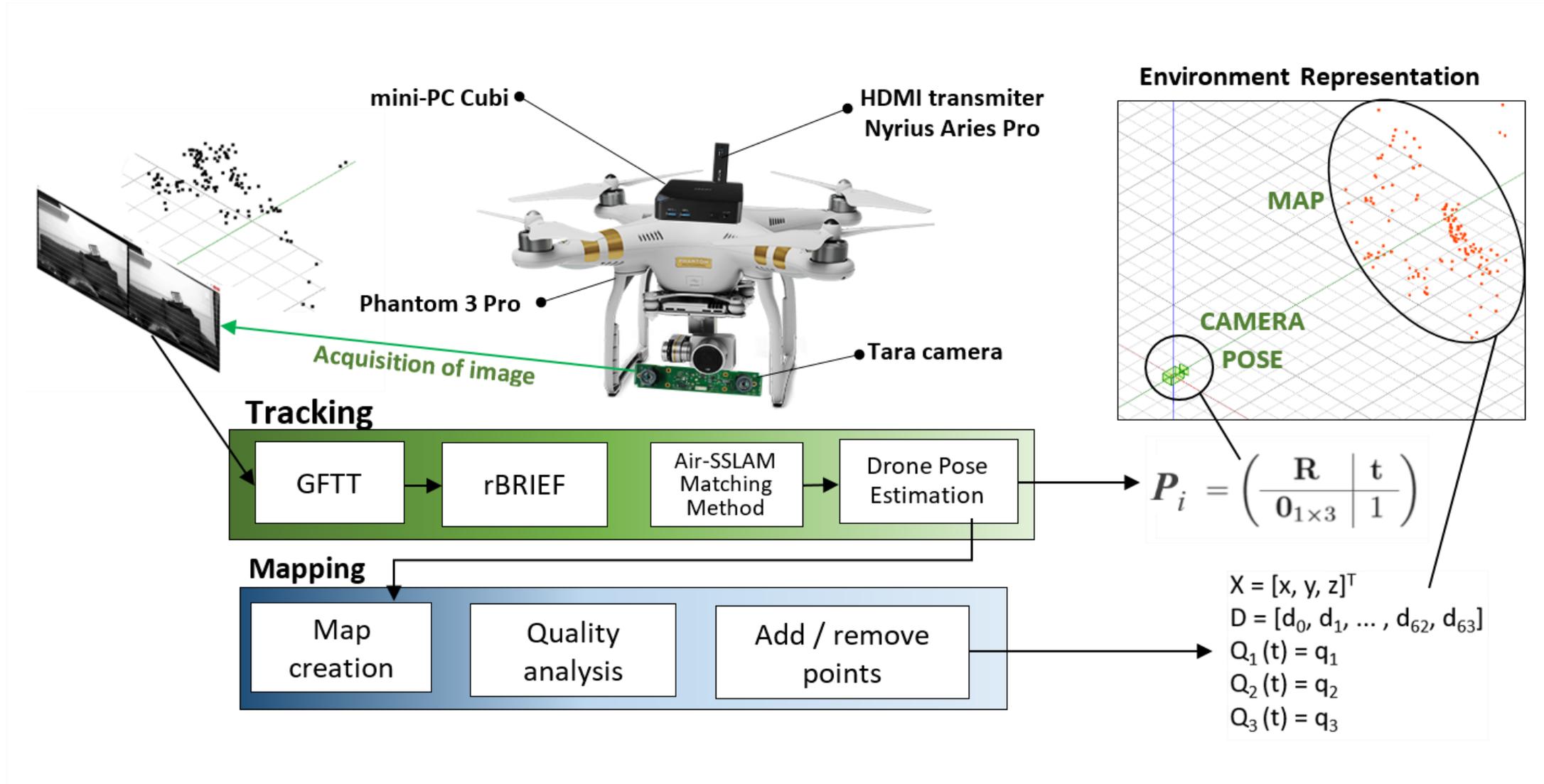
Visão Computacional

Mapeamento do ambiente utilizando múltiplos sensores

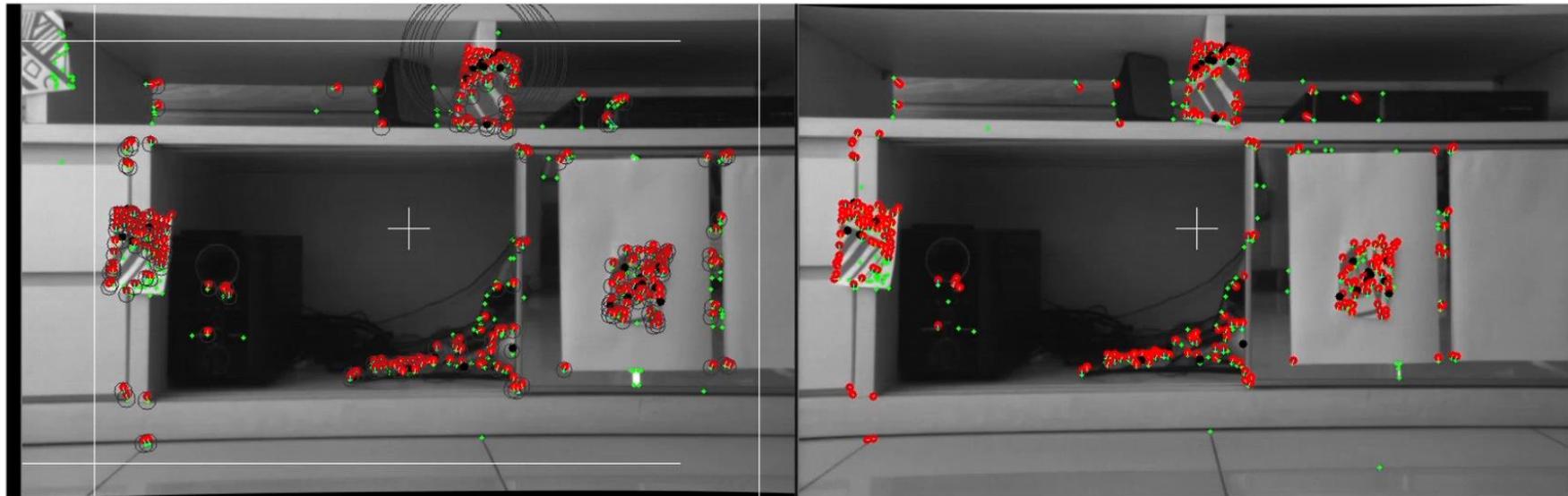
Interação com o ambiente:
Evitar colisão



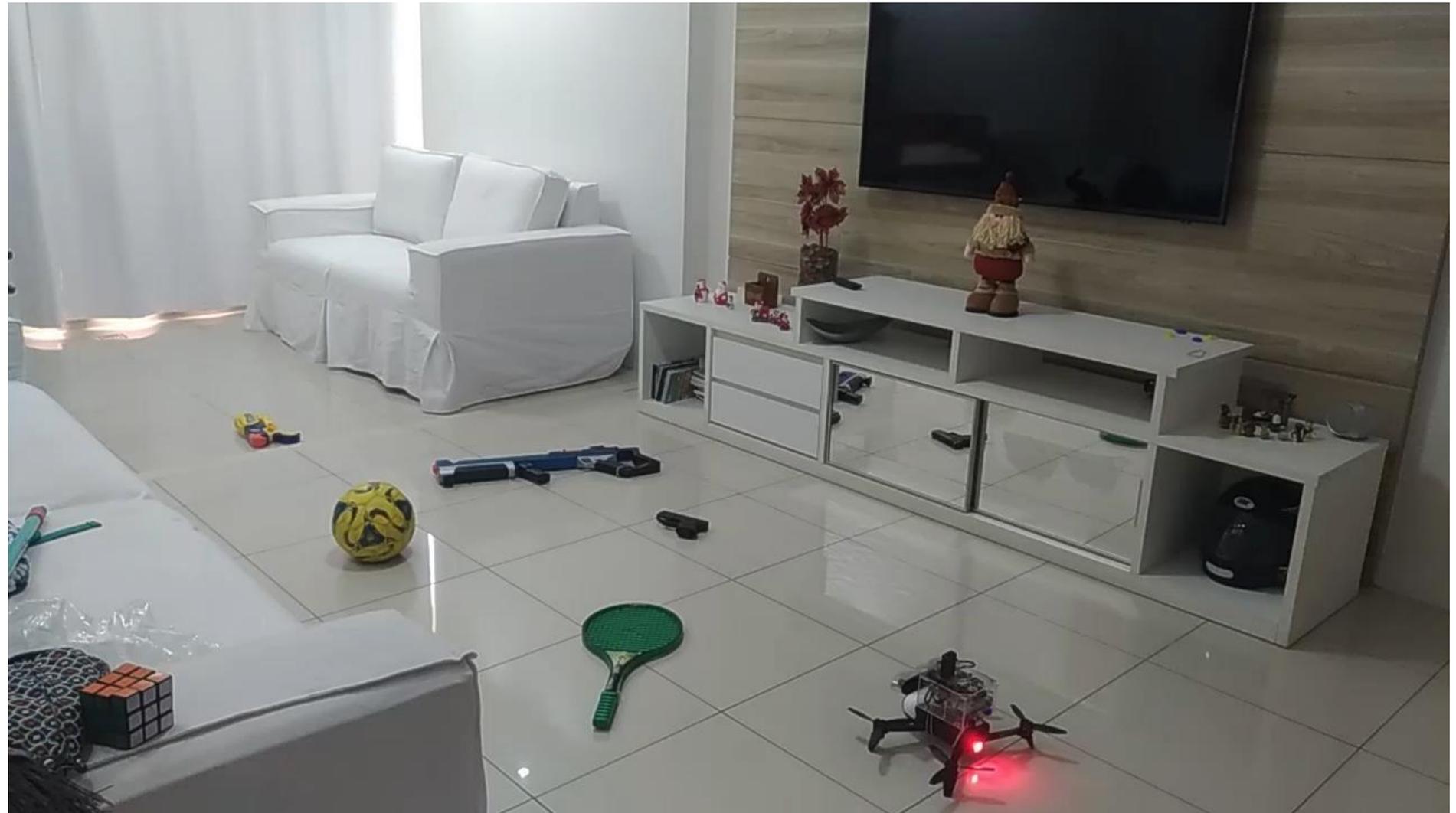
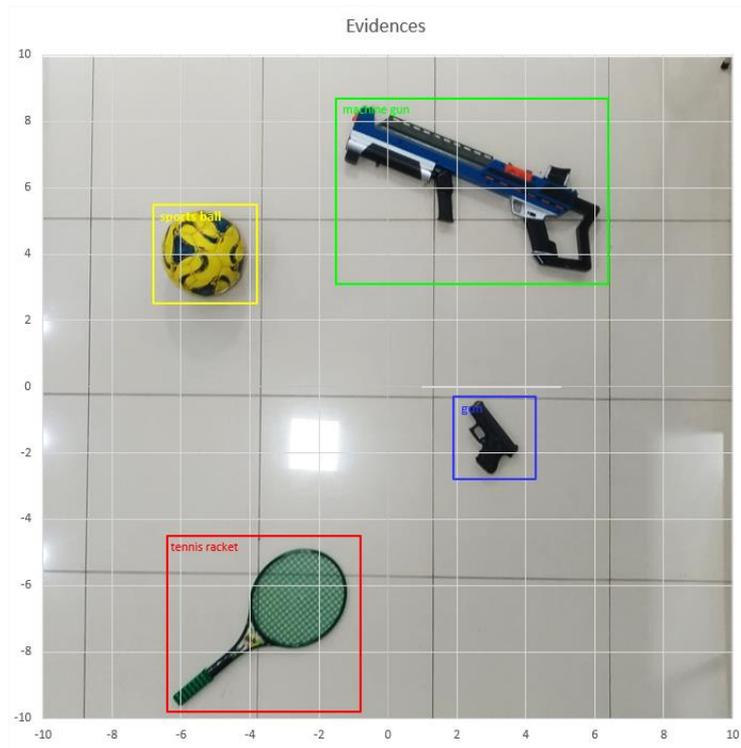
SLAM Visual



Visual SLAM



Reconhecimento de objetos numa cena



08 Oct 2019 | 16:00 GMT

Drones as Detectives: Surveying Crime Scenes for Evidence

Researchers in Brazil are developing a drone that scouts for evidence—and want to use its footage to reconstruct crime scenes

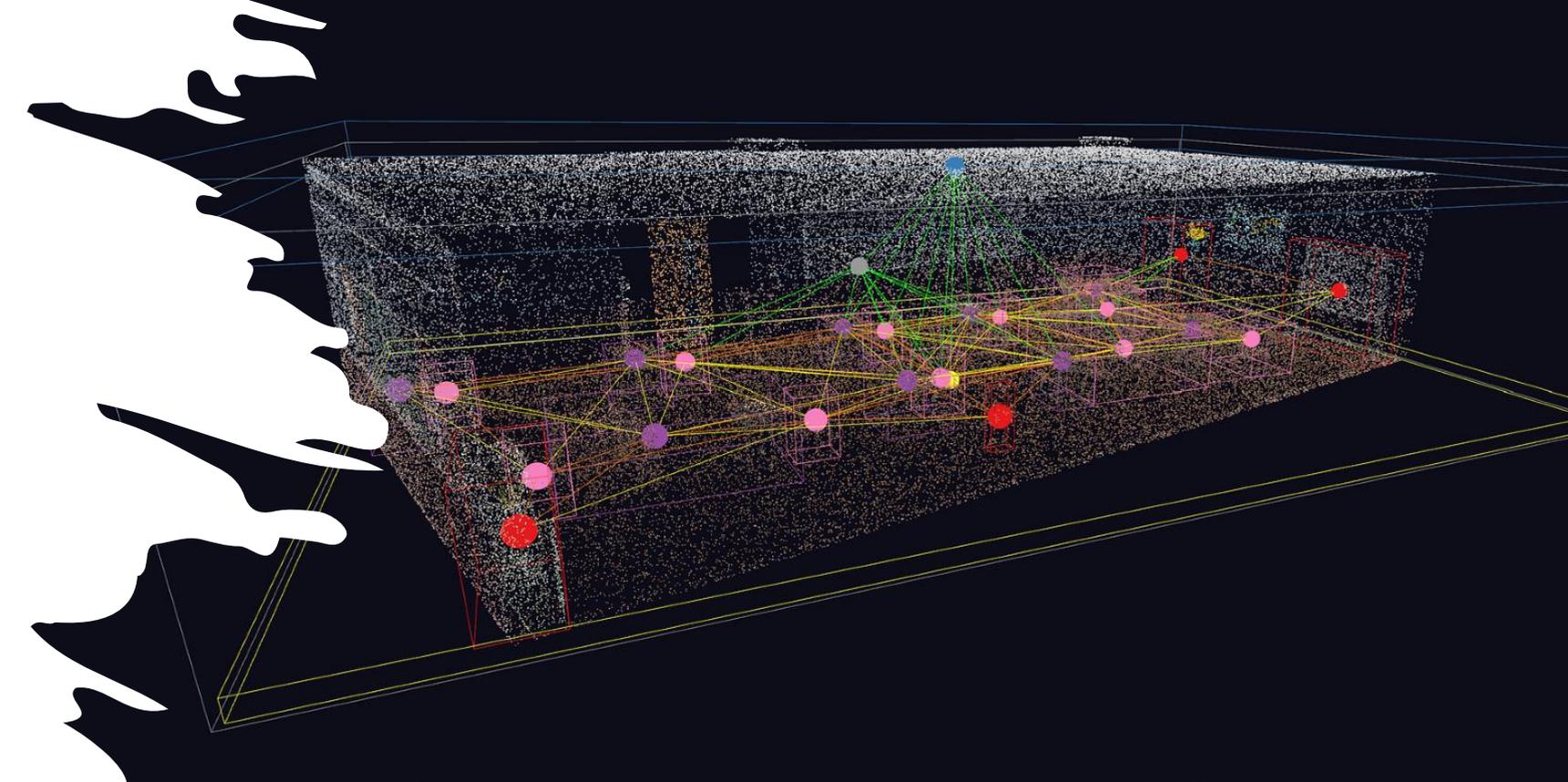
By **Michelle Hampson**



Image: Pompilio Araujo

Futuro

- Via VLM espacial:
 - Fotogrametria
 - Detecção de objetos
 - Análise de cenas



Futuro

- Aplicações em monitoramento inteligente:
 - Na agricultura
 - Em zonas urbanas
 - Na prevenção ao crime
 - etc



Obrigado!

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