Video-based surface movements detection and tracking

Assessment of low-cost alternative surface surveillance solutions improving situational awareness, safety, efficiency and predictability of operations in secondary airports.

Concept feasibility demonstration:
- Detection, classification, identification, and tracking of cooperative targets
- Detection, classification, manual identification, and tracking of non-cooperative targets
- Operation in moderate, min and night-time
- FeedAirport TOWER head-down display with unified tracking data, and augmented video
- Automatically detect A-CDM milestone events: TMO, AOBTAIBT, etc.

4K wide-angle camera

Deep Learning
Detection Classification

Results

Carcassonne Airport - LFMK

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