



Awareness and Recognition of Behavioral Threats Within Complex Environments



Results

Cybernet built and demonstrated a multiple camera stream, motion and vehicle/person form-cued intent recognition system along with software to database imagery over long periods, perform back correlation in time, and to support further intent recognition software development and testing.

Benefits

- Improved vigilance for video security systems
- Determination of possible threats as they are happening, instead of after the fact
- Support for correlation of threat behavior tracking over long periods or intervals

Problem

There is a critical need for new technologies that enhance security and surveillance operations and their ability to detect threats, while using fewer operational resources to do so.

Solution

Develop a “Mind’s Eye” system that:

- Views multiple channels of video
- Performs 2D video to 3D mapping
- Identifies moving vehicles and people
- Determines the intent of those vehicles or people against a set of possible threat scenarios
- Reports suspicious intent to an operator and directs operator attention toward flagged malicious intent

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