



praesidium[®]

Intelligent Sensor Detection Suite

duostech



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Duos' praesidium® sensor detection suite is the foundation of an automated, intelligent security solution. It processes and analyzes video and sensor feeds, applying video analytics, object detection, and behavioral analysis techniques for security and surveillance applications. Its open access control platform allows seamless integration of a myriad of sensing technologies into a unified command and control interface.

praesidium® employs Differential Layer Analytics technology for optimal accuracy. It splits a video scene into three separate layers, and then independently analyzes each layer to reduce false alarms to an industry low of 0.005%.

praesidium® FEATURES

- Modular Video Analytics
- Bad Weather Resilience
- Self-Shadow Removal
- False Alarm Mitigation
- Piece-wise Planar Site Calibration
- Remote Access, Administration, and Monitoring
- Shared Event Distribution
- Hierarchical Remote PTZ Camera Control
- Alarm Verification
- Browser-Based Unlimited Web Interfaces
- Custom Policy Management



praesidium® SAMPLE APPLICATIONS

- **Perimeter Violation** - Detects an intrusion at the perimeter of a defined virtual security zone
- **Wrong Way Detection** - Detects people moving against the flow of traffic
- **People Counting** - Counts the number of people entering or exiting a defined area
- **PTZ GoTo** - Pan-Tilt-Zoom cameras automatically zoom and follow intruders and objects to detect, tag, and track when a secure area is breached
- **Loitering Activity** - Detects loitering behavior within a defined area
- **Object Detection & Tracking** - Detects, tags, and tracks people and objects within an area of interest per user-defined detection criteria
- **Removed/Left Object** - Detects objects that are removed from or abandoned in a secure area
- **Moving Objects** - Detects and classifies objects in a security zone by size, direction, and speed
- **Tailgating** - Behavior recognition alarm for detecting unauthorized entry to a defined area through piggybacking of people or vehicles
- **Traffic Congestion** - Detects clusters of people, objects, or vehicles moving together and then tracks, counts, and monitors activity

With centraco™ Command and Control

Like all of Duos' intelligent solutions, praesidium® is command and control ready. Duos' state-of-the-art intelligent command and control platform, centraco™ provides a scalable information delivery and response solution that is designed to address operational and management challenges. Designed with years of "real life" situational input, the centraco™ platform is designed to perform in the most challenging and dynamic environments.

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D002/2176/0111

