

Profile



duostech

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Company Profile





















Duos Technologies Inc. provides a broad range of security solutions with an emphasis on the Homeland Security, Transportation, and Critical Infrastructure markets. Duos core competencies include advanced intelligent video applications (video analytics), integrated command and control, and immersive 3D graphical interfacing. Its software platform allows seamless integration of a myriad of third-party sensors and systems to deliver a complete and unified solution to its partners and customers.

In a novel approach to video analytics, Duos' software uses Differential Layer Analytics technology to split a video scene into three separate layers, then independently analyze each one. This granular approach yields improved detection accuracy and a significant reduction in false positive alarms to an industry-low of 0.005%.

Our open-access approach integrates third-party sensors and systems, allowing us to create customized solutions that provide comprehensive situational awareness for security and operational management. We also offer rapid-deployment mobile solutions that provide flexible, focused monitoring wherever needed, on a temporary or permanent basis.

Technologies

duostech holds these trademarks related to proprietary technologies.

 3DiS™	3D Immersive Surveillance (3DiS™) Real-time, immersive 3D visualization system enabling virtual fly-through. Application: Airports, Railroads, Petrochem, Border Security.	 ices®	Intermodal Container Exit System (ices®) Tracks and records intermodal container rail yard/terminal entry and exit. Application: Railroad, Maritime Security.
 apis™	Automated Pantograph Inspection System (apis™) Intelligent video analytics capture, inspect and process real time images from trains passing inspection points. The system automatically detects obvious pantograph defects such as bends, chips and cracks and flags those records for manual inspection. Application: Railroads.	 Linear Panorama™	Linear Panorama™ A self-contained, intelligent video equipment platform that captures a sequence of images from a passing object and stitches them together into a panoramic image format. Application: Railroad, Homeland Security, Border Security.
 atec®	Airport Traffic Exit Control (atec®) Detection Suite Identifies, monitors, and records people and objects moving against the flow in the exit lanes of an airport concourse. Application: Airports, Border Security.	 mast™	Mobile Advanced Surveillance Trailer (mast™) Mobile Advanced Surveillance Trailer incorporates video analytics in a "ready to go" mobile package. Application: Security and Surveillance.
 beam™	Bed Exit and Movement System (beam™) Detects and records potentially harmful patient movement while in a hospital bed. Application: Health Care, Detention Security.	 praesidium®	praesidium® Artificial intelligence-based security and surveillance sensor detection suite processes and analyzes incoming video and sensor feeds to detect user-defined activities and events. Application: Security and Surveillance.
 camia™	Collision Alert Monitoring and Impact Analysis (camia™) Records, measures and documents maritime vessel/fixed structure collision. Application: Maritime.	 r2p™	Remote 2 praesidium (R2P™) Web-based thin client accesses and controls praesidium® components and sensors. Application: Security and Surveillance.
 camia™ mobile™	Collision Alert Monitoring and Impact Analysis (camia™ mobile™) A self-contained, fully integrated impact detection and measurement system for marine bridges and structures. Application: Maritime.	 rcvms™	Railroad Crossing Video Monitoring System (rcvms™) Intelligent video monitoring and surveillance system deployed at highway-rail intersections to enhance safety at rail grade crossings. Application: Railroads.
 caplat®	Camera Placement Tool (caplat®) 3D/Computer Assisted Design (CAD) tool optimizes camera placement. Application: Security and Surveillance.	 rvspro™	Remote Video Server Programmable (rvspro™) High-performance digital video recorder, multiplexer and transmission server. Application: Security and Surveillance.
 centraco™	centraco™ Integrated Smart Command and Control Platform Intelligent command and control platform that consolidates multiple data sources and alarm events into a single user interface. Application: All.	 trids™	Train Rider Detection System (trids™) Detects unauthorized riders and container breaches on trains traveling at speeds up to 70mph. Application: Railroads, Border Security.
 dora™	Digital Optical Reading Agent (dora™) Video Optical Character Recognition (VOCR) system scans, tracks, and records activity of inbound and outbound rail cars. Application: Airports, Railroads, Petrochem, Border Security.	 trids™ mobile™	Train Rider Detection System (trids™ mobile™) A fully integrated, trackside surveillance solution that inspects a moving freight train for the presence of illegal riders or unauthorized cargo. Application: Railroads, Border Security.
 gcis™	Gondola Car Inspection System (gcis™) Intelligent video analytics capture, inspect and archive real time images from both sides and the interior of gondola cars passing inspection points to evaluate car condition. Application: Railroads.	 vss™	Virtual Security Shield (vss™) Multi-layered security application includes moving object detection, object classification and unauthorized access alarm verification. Application: Airports, Maritime, Petrochem, Border Security.

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