

tids™ Track Intrusion Detection System

Intelligent Platform Monitoring Solution



Track intrusion event capture

Overview

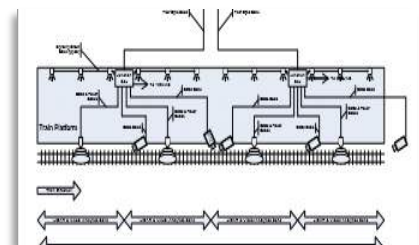
The Track Intrusion Detection System (**tids**™) utilizes advanced Artificial Intelligence (A.I.) to monitor transit facilities and right-of-way to detect and characterize the presence of people and objects on and around the track bed.

How It Works

- **tids**™ incorporates building A.I. algorithm models for every camera view and sub dividing them into conditional classes, as per the defined area(s) of interest utilizing convolutional networks.
- Data from these conditional classes will be continuously monitored and automatically evaluated by our A.I. engine, providing for a continuous learning environment.
- Logic embedded into the included Alarm Management Service will measure the accuracy of detections and establish thresholds for the output of alarm events.
- Once the engine determines there is an accurate detection, this information is outputted to the **centraco**® user interface and command & control platform.
- The purpose of using a layered technology strategy is to maximize the accuracy of event detection while minimizing the potential for false positive and negative events.
- **tids**™ also enables the simultaneous detection of multiple events, processes each event in accordance with user-defined parameters, and presents it through the **centraco**® platform.



Track Intrusion Detection



Platform Intrusion Detection



Tunnel Intrusion Detection

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tids™ Track Intrusion Detection System

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System Features

- Monitor and alerts when track intrusion occurs
 - Audio Alert
 - SMS Alerts
 - Visual Alerts
 - Automated verbal warning to pedestrian
- Remote reset of alarm
- Covers multiple independent zones
- Video analytics for reporting purpose

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Duos Technologies provides a broad range of sophisticated intelligent technology solutions with an emphasis on mission critical applications.

We combine an innovative business philosophy with a focus on customer service.

Our specialty is the development and delivery of turnkey solutions for rail-centric critical infrastructure systems.

All products, systems and solutions are backed by a 24 x 7 x 365 global training, maintenance and service program.

