

Detection of Improvised Explosive Devices



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The **on-board change detection system** helps to detect suspicious objects or improvised explosive devices (IEDs). By using an intuitive computer display, the system **highlights** changes along a previously cleared itinerary to **warn the operator** of the presence of suspicious objects.

The ISL change detection system

- helps to secure frequently used itineraries,
- highlights nearly invisible changes in the operational landscape,
- is robust to changing light conditions and to varying trajectories,
- operates in jammed areas or zones not covered by GPS,
- has been extensively tested under operational conditions.



Technical features

- Use of augmented reality to compare real-time and data-based images
- GPS geo-referenced imaging and recording
- Stand-off and passive operation mode
- Low-cost equipment

Applications

- Clearing of potentially trapped itineraries and protection of military convoys
- Police operations for homeland security
- Security inspection of airport tarmacs
- Clearing of railways itineraries for high-speed trains



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