



Transport / Railway

Improving railroad and public safety with AI-driven video analytics

The US has over 100,000 miles of rail track and the UK over 11,000. These extensive infrastructures create safety challenges for security teams and operators, from rail damage to level crossing safety, service unavailability, abnormal behaviour detection, trespassing to name a few.

Integrating AI-driven video analytics into existing surveillance infrastructure enables better decision making with real-time monitoring, actionable insights and automated workflows.

The Remark Smart Safety Platform (SSP) ensures the safety of passengers, contractors & employees on railroads, crossings, station platforms & public spaces at large. Railway organisations choose the Smart Safety Platform for its suite of modules used for daily operations.

Next-generation monitoring & control is here with AI-driven video analytics

FEATURES INCLUDE

Video analytics for on-site security with data-driven intelligence with actionable insights

Event detection with security alerts

Virtual fence identification with alerts

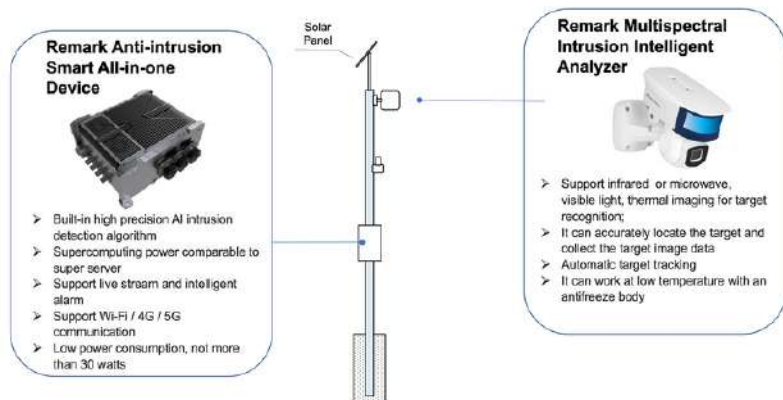
Identify, track & monitor behaviours, objects, people, public spaces & tracks at scale and speed.

Multi-sensor on physical fence to prevent intruders

- Intruder Evict System with voice warning speaker, high-decibel noise, pulse high-voltage electricity, dazzling strobe lights, capsaicin spray, to drive the intruder at once.
- Self-alarms for operating status by multi-sensor cross monitoring.

Public safety in passenger areas. Identify, track & monitor:

- Loitering to prevent thefts, crimes, lost way, terrorism
- Unattended bags, lost or stolen luggage
- Violence
- Running alert or falling down
- People counting / monitoring, including walking flow or clustering in the area to predict crowd or long queue formation etc.



Video search & investigation across stations / routes

- Search historic records using filters on pedestrian attributes, e.g. clothes, age, gender.
- Search pedestrian similarity to trace long-term tracking history across multiple cameras and areas
- Contact tracing tracking search to identify individuals

Smart ID and booking

Multichannel ID Verification

- Face recognition, QR code, Bluetooth provide various choice for customer and for fast smooth user journey.
- Different access area control for staff, drivers, passengers etc.
- Tag watch list to identify potential suspicious to alert or reject entry next time

Smart ID Ticket System with Personal Access Control

- Booking ticket via App, check-in/out via Smart ID, fast and smooth.
- Access Control for First Class carriage, VIP lounge, Priority access.
- Smart billing system on check-in and check-out to prevent fraud journey.

On-site Additional Service with Smart ID

- Ticket and service booking management, e.g. upgrade higher class carriage, change seat to quiet carriage, upgrade to VIP lounge.
- Dinner carriage booking or food ordering delivery to the seat and auto-billing via App.

Car park vehicle management

- Vehicle monitoring to detect parking, speed, loitering etc.
- Combine vehicle plate recognition to access control and auto billing - ANPR.



REMARK

ABOUT US

Our award winning AI models and video analysis increases the safety of any environment, and the operational efficiency of both private and public sector organisations. Our video analytics works with existing video or CCTV systems to keep workers, spaces and valuable assets safe along with buildings secure.

We apply artificial intelligence and machine learning onto existing IP CCTV systems to transform video content into actionable insights for rapid review with real-time alerting.