

Smart Cities

How Hitachi Video Analytics Can Make Our Cities Smarter



Video Analytics

Video is the most underutilized source of data today. A camera is more than just a source of video.

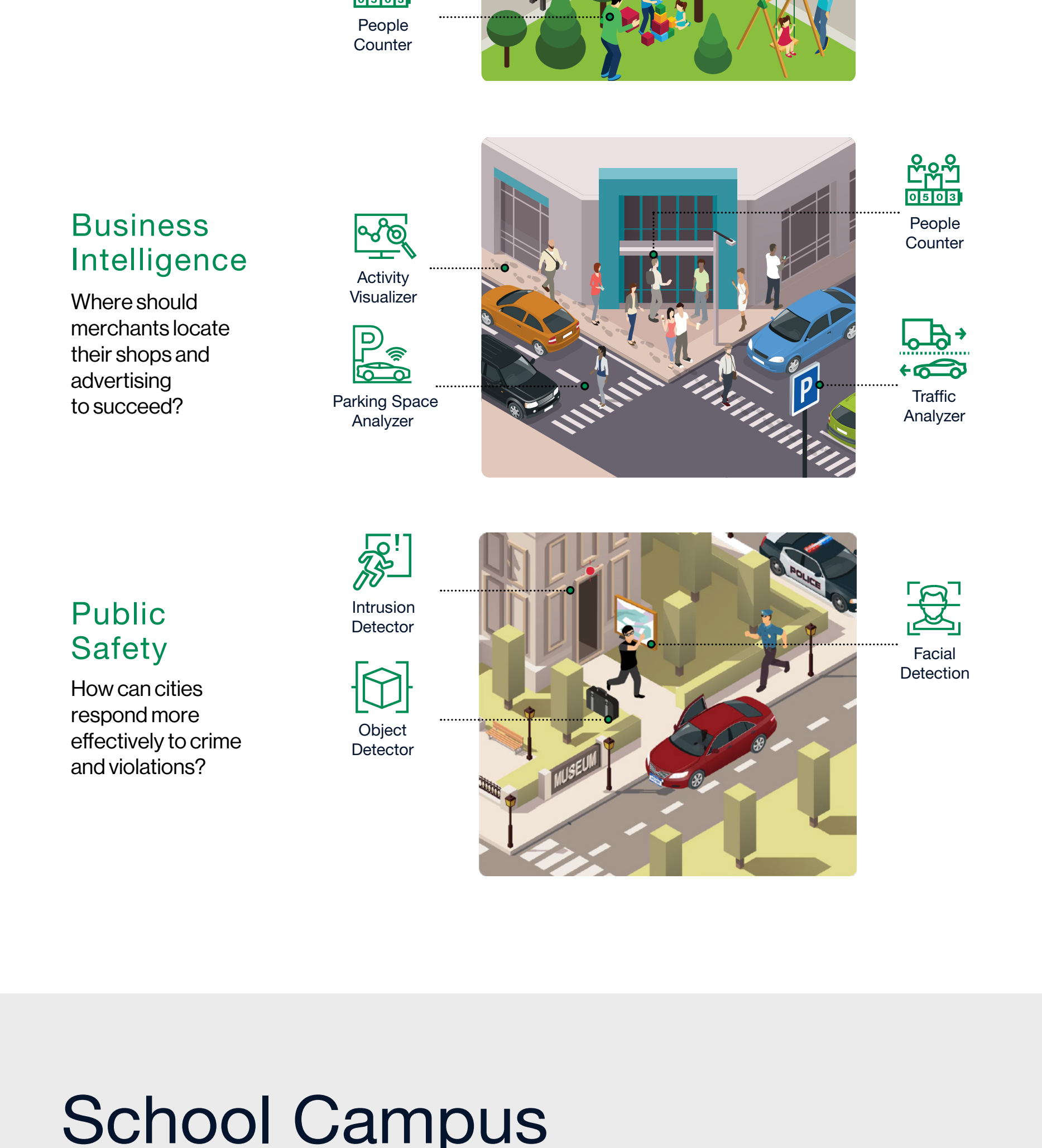
- Direction Controller**
Automatically detects objects moving in a restricted direction
- Intrusion Detector**
Detects persons or vehicles intruding into critical areas
- Facial Detection**
Matches faces in real time and searches for similar faces
- Object Detector**
Detects objects that enter or leave a scene and remain steady for a defined time
- Traffic Analyzer**
Automatically counts and classifies vehicles in defined areas
- Activity Visualizer**
Analyzes motion duration and dwelling times for statistical purposes
- People Counter**
Automatically counts people passing a defined area
- Queue Detector**
Analyzes queues in order to detect over-crowding
- Parking Space Analyzer**
Detects occupied parking spots and measures parking duration
- Privacy Protector**
Privacy-protected video with 3D LIDAR analytics
- Vehicle Counter**
Counts vehicles on the road

Privacy Protection

Privacy protection is an IMPORTANT aspect of any video security system, especially in sensitive locations such as hospitals and schools where automated privacy protection can reduce risk and liability.

Complete Privacy: The entire body is a 3D image with no personally identifiable information (PII) captured.

Transparency: Any use of raw footage for investigations requires ID verification and is tracked to ensure compliance.



City Center

Operational Intelligence

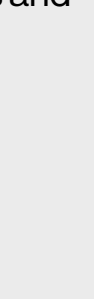
How can retailers measure ROI* of public infrastructure?



Object Detector



People Counter



Activity Visualizer

Business Intelligence

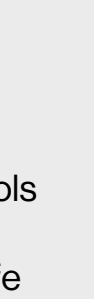
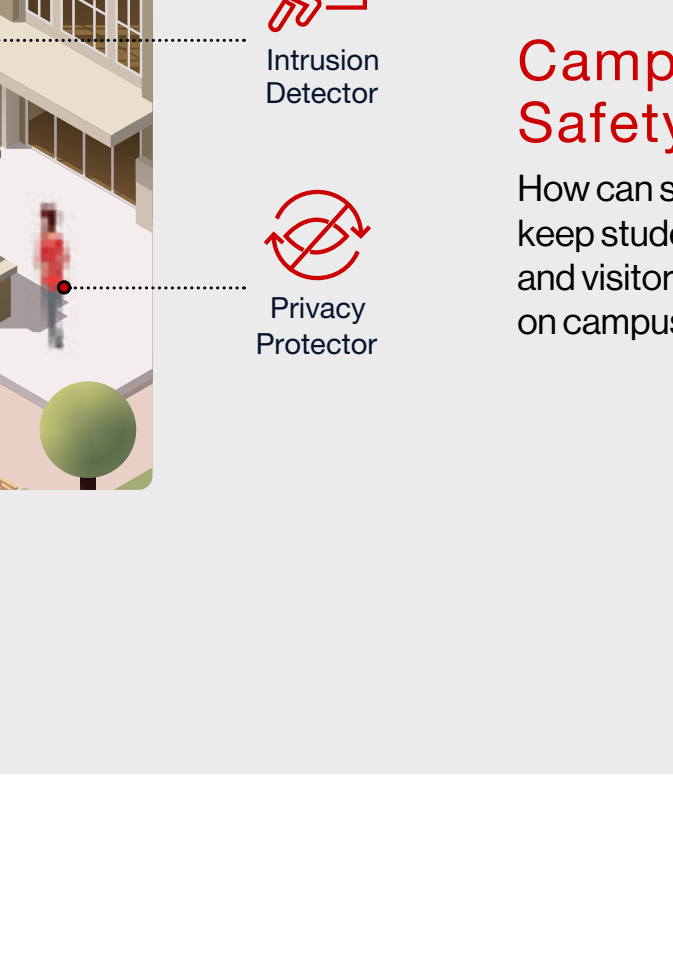
Where should merchants locate their shops and advertising to succeed?



Activity Visualizer



Parking Space Analyzer



People Counter



Traffic Analyzer

Public Safety

How can cities respond more effectively to crime and violations?



Intrusion Detector



Object Detector



Facial Detection

School Campus

Operational Intelligence

What is the utilization of classrooms and facilities?



Parking Space Analyzer



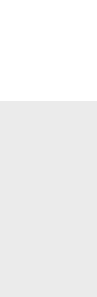
People Counter



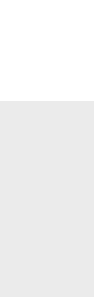
Direction Controller

Business Intelligence

How can campus shops thrive while meeting student needs?



Activity Visualizer



People Counter

Campus Safety

How can schools keep students and visitors safe on campus?



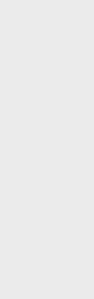
Facial Detection



Object Detector



Intrusion Detector



Privacy Protector

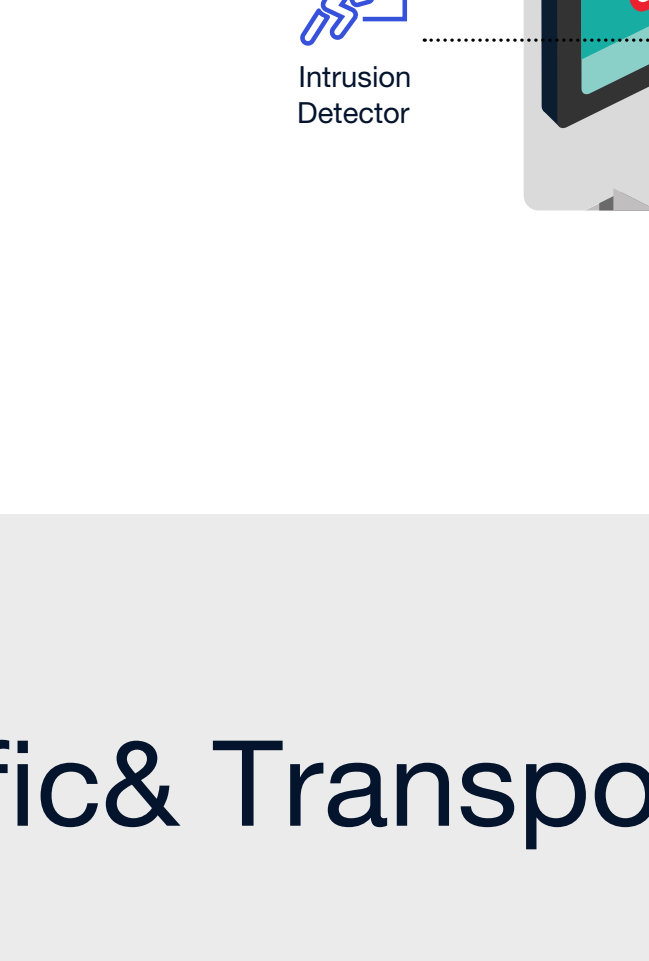
Airport

Operational Intelligence

When do we need to send more staff to keep people moving?



People Counter



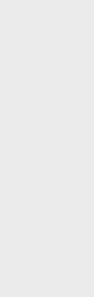
Queue Detector

Business Intelligence

How can retailers in the terminals be more successful?



Activity Visualizer



People Counter

Security

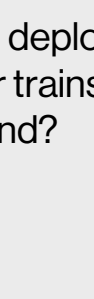
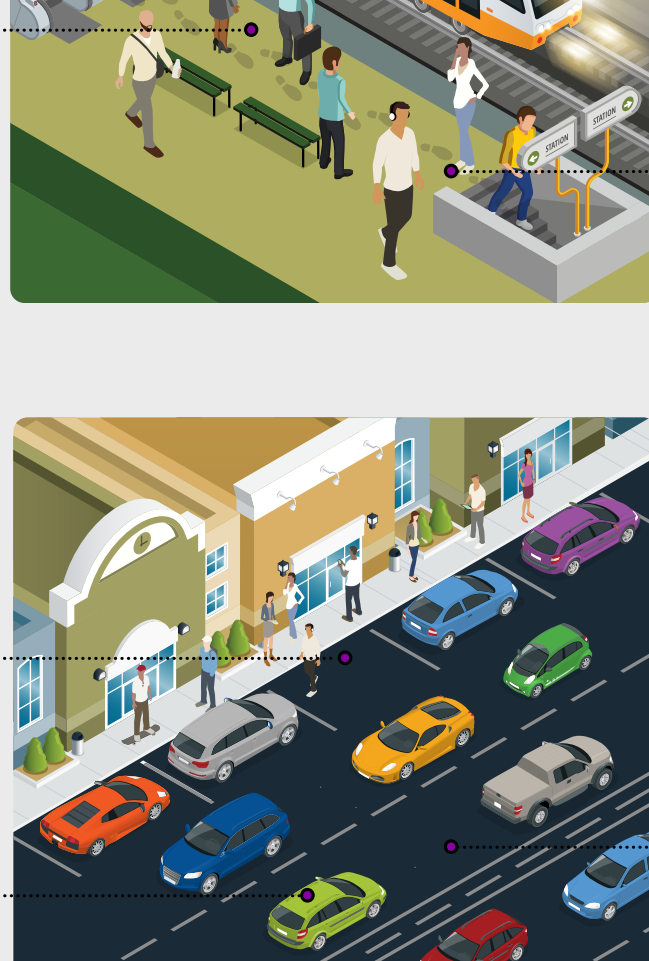
How can we keep people safe and quickly detect threats?



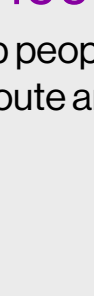
Facial Detection



Intrusion Detector



Direction Controller



Object Detector

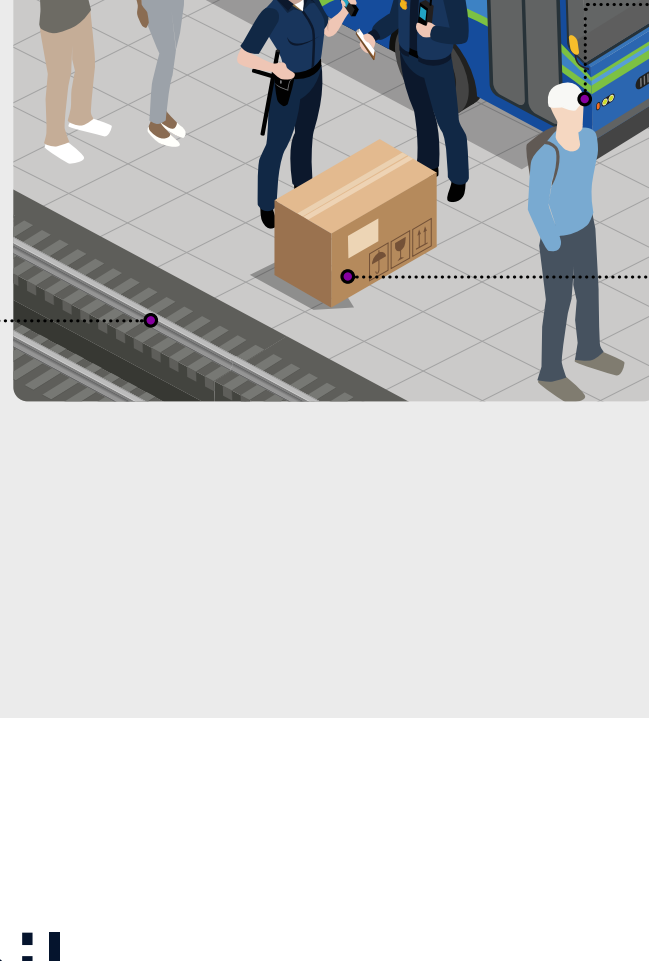
Traffic & Transportation

Operational Intelligence

When should I deploy more buses or trains to meet demand?



Queue Detector



People Counter



Activity Visualizer

Business Intelligence

How can I help people find the best route and parking spot?



Parking Space Analyzer



Vehicle Counter



Traffic Analyzer

Security

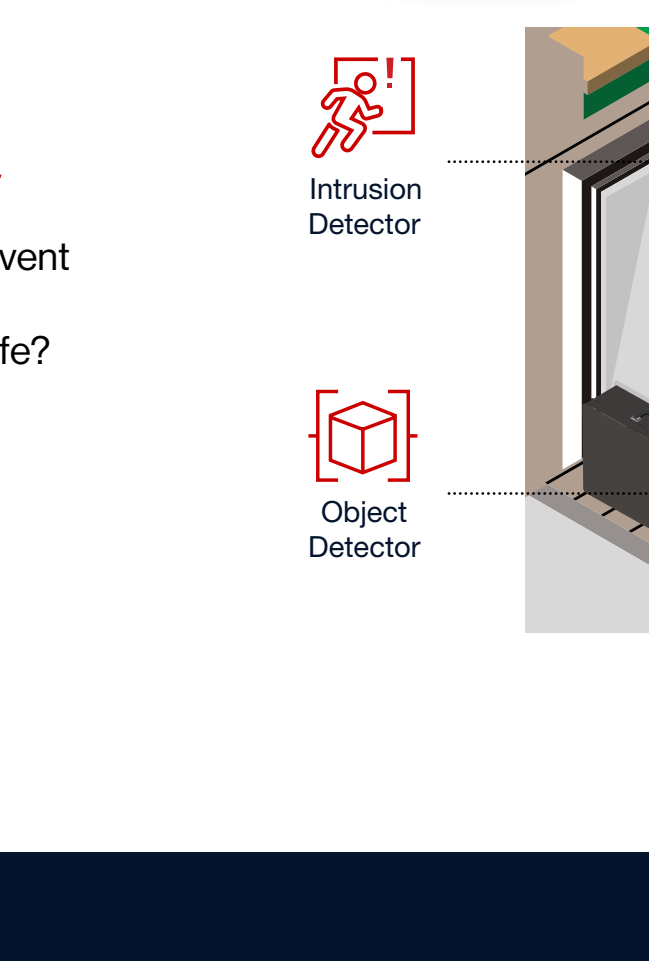
How can I keep people safe during their commute?



Intrusion Detector



Object Detector



Facial Detection

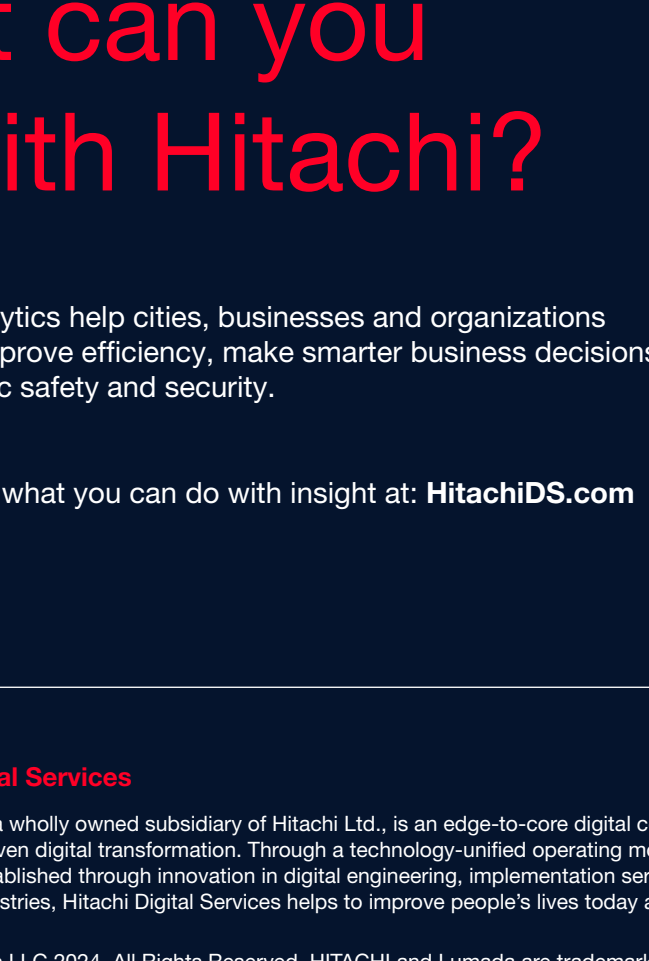
Retail

Operational Intelligence

When should I deploy a new cashier to keep customers happy?



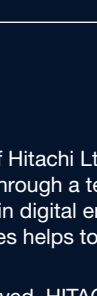
Queue Detector



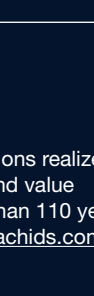
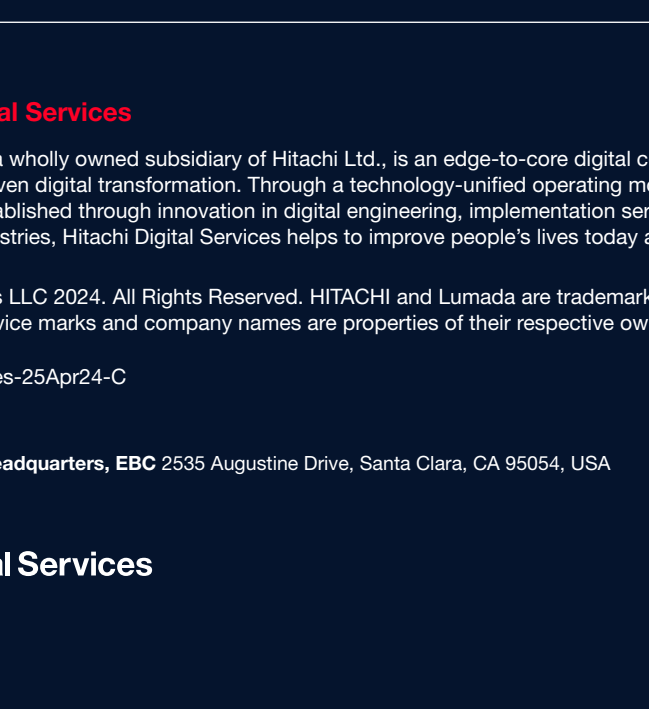
Direction Controller

Business Intelligence

What's the best way to arrange my store or merchandise?



Privacy Protector



People Counter



Activity Visualizer

Security

How can I prevent loss and keep customers safe?

Intrusion Detector

Object Detector

Facial Detection

What can you do with Hitachi?

Hitachi Video Analytics help cities, businesses and organizations gain insights to improve efficiency, make smarter business decisions, and improve public safety and security.

Learn more about what you can do with insights at: HitachiDS.com