

Incident Detection

Earlier detection, better prevention



Hikvision has developed advanced and multi-functional Incident Detection Systems. These powerful tools combine a deep-learning algorithm with front-end and back-end security products to provide earlier detection, better prevention, and safer roadways.



What we offer

1 Incident Detection

Abnormal road conditions

Abnormal conditions slow down highway maintenance efficiency. These can sometimes lead to congestion in heavy traffic areas, affecting traffic efficiency.

 Construction

 Congestion

 Roadblocks

Road hazards

Some anomalies in insufficient lighting environments, such as tunnels, can present hazards that compromise traffic safety and increase the risk of serious incidents.

 Fire/Smoke Detected in Tunnel

 Fallen objects

 Pedestrians on roads

 Animals

 Speeding

 Wrong-way driving

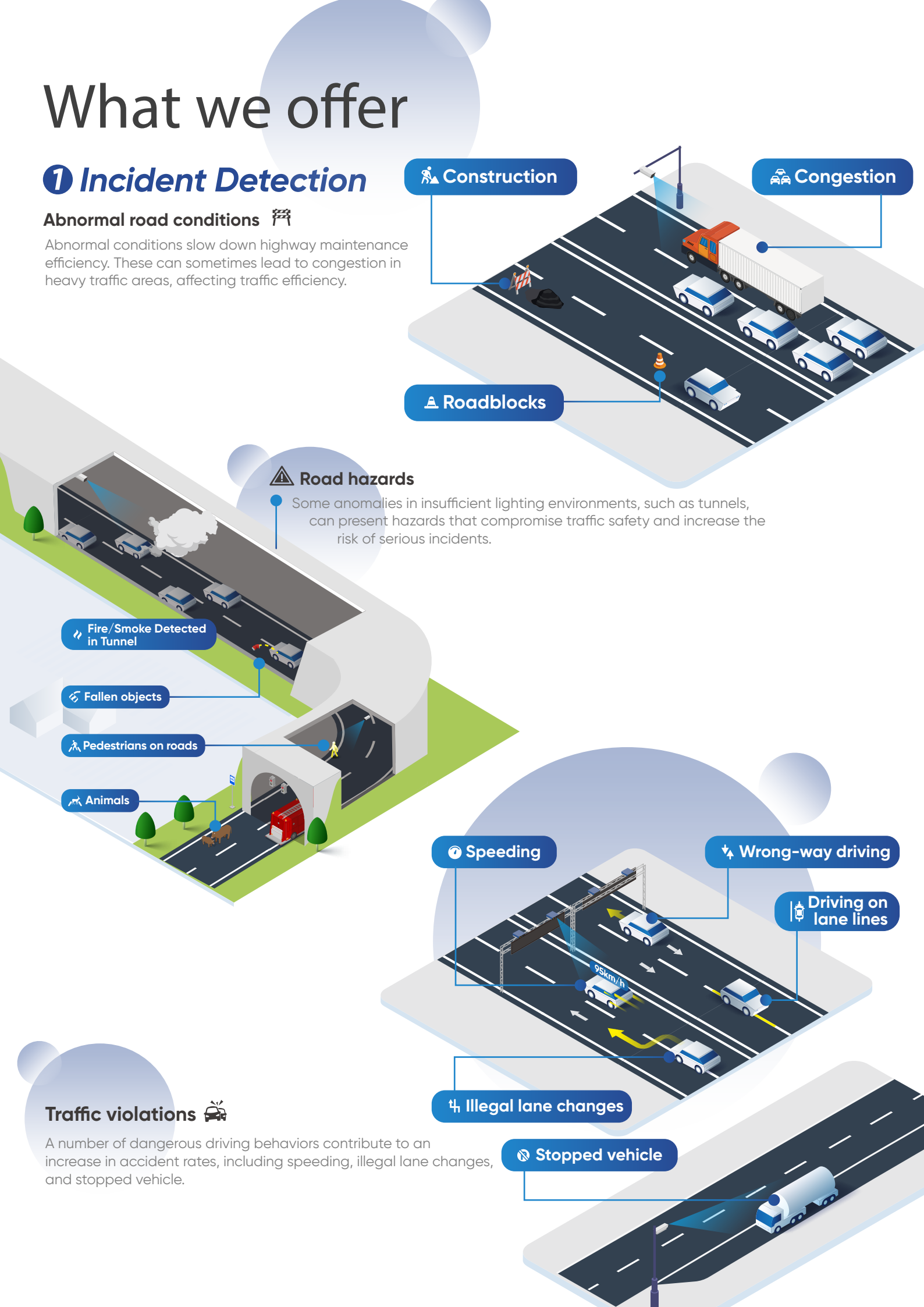
 Driving on lane lines

 Illegal lane changes

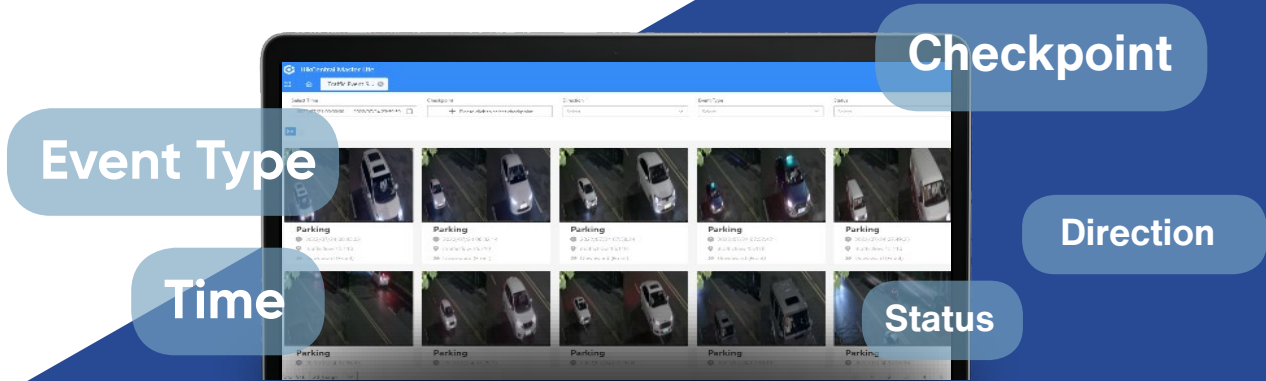
 Stopped vehicle

Traffic violations

A number of dangerous driving behaviors contribute to an increase in accident rates, including speeding, illegal lane changes, and stopped vehicle.

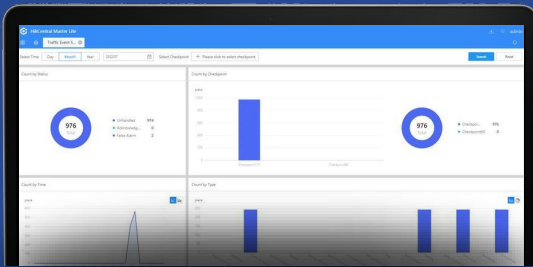


2 Incident Management



Traffic event searches

Traffic events can be searched by event type, time period, checkpoint, direction, and status, to improve management efficiency.

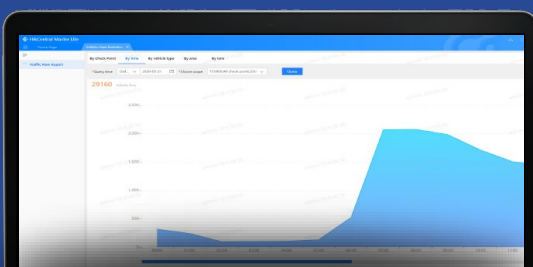
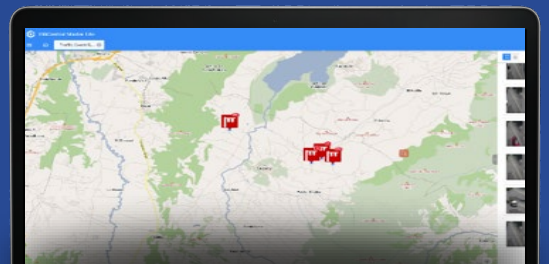


Traffic event statistics

Traffic events can be retrieved using type, time period, checkpoint, and status to optimize traffic data analysis.

Traffic event real-time map

Traffic events are visualized in real time along with traffic conditions for efficient enforcement and fluid driving conditions.



Traffic flow statistics

Traffic flow statistics with time, checkpoint, and statistics mode assist traffic authorities in making well-informed traffic guidance decisions.

Related products

Incident Detection Cameras



iDS-TCS800-C(I)

8MP CMOS 15-50mm Lens
Built-in supplement light



iDS-TCS817-CR

Bi-Spectrum 128 Targets
Build-in 77GHz radar
Fire/Smoke detection
Animal intrusion detection



iDS-TCS907-CE(I)R

9MP GMOS 11-40mm Lens
Build-in 77GHz Radar 128 Targets
200M coverage

Incident Detection Servers

iDS-TSS300-C

Utilize used equipment 4 HDD slots
4 channel 4-MP camera
Deployed in the front-end
Intersection Cabinet



iDS-TSS500-C

240GB image storage
GPU architecture
16 channel 4-MP camera
Utilize used equipment

