HIKVISION ITS Proposal

First Choice for Security Professionals

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CONTENTS

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- General Introduction
- Trends of ITS Development
- Main System Components
- Future of ITS

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HIKVISION ITS

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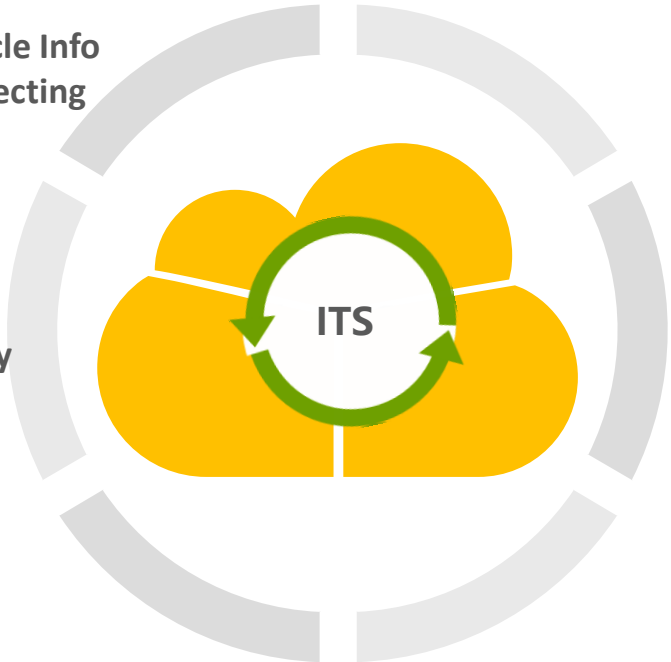
- HD Vehicle Image
- License Plate Number
- Seat Belt

Vehicle Info Collecting



Offsite Penalty

- Red Light Violation
- Driving Direction Violation
- Lane Crossing Violation
- Illegal Parking
- Speeding

Traffic Diagnose

- Jam Road Diagnose
- Short-term Flow Prediction

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3 Main Characters in Traffic

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Human

Main character in traffic activities

Vehicle

Carriers

Road

Facilities

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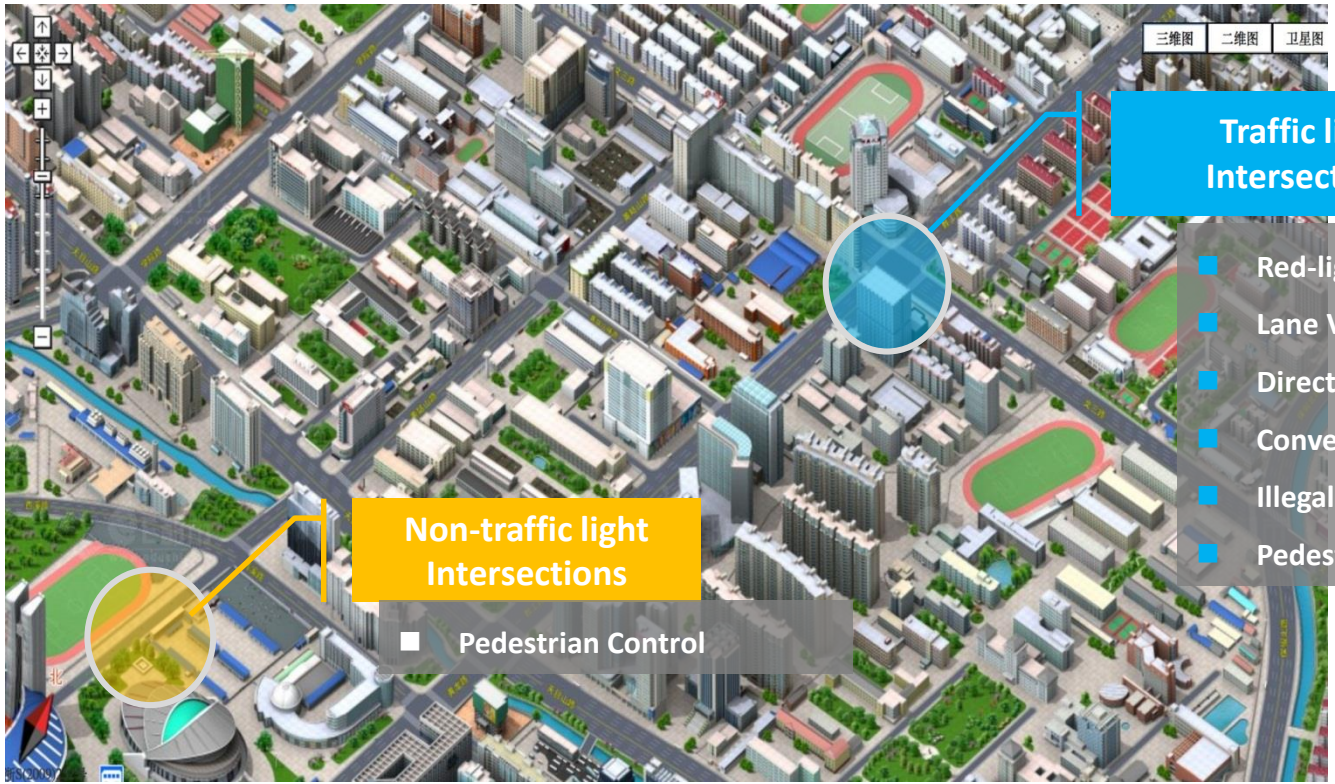
Point——Intersections, Bus stops



Traffic light Intersections

- Red-light Violation
- Lane Violation
- Direction Violation
- Converse Driving
- Illegal Parking
- Pedestrian Red-light Violation

Non-traffic light Intersections

- Pedestrian Control

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Line——Roads

- Traffic Monitoring
- Traffic Data Collecting
- Illegal Parking
- Vehicle Info Collecting
- Human & Event Monitoring

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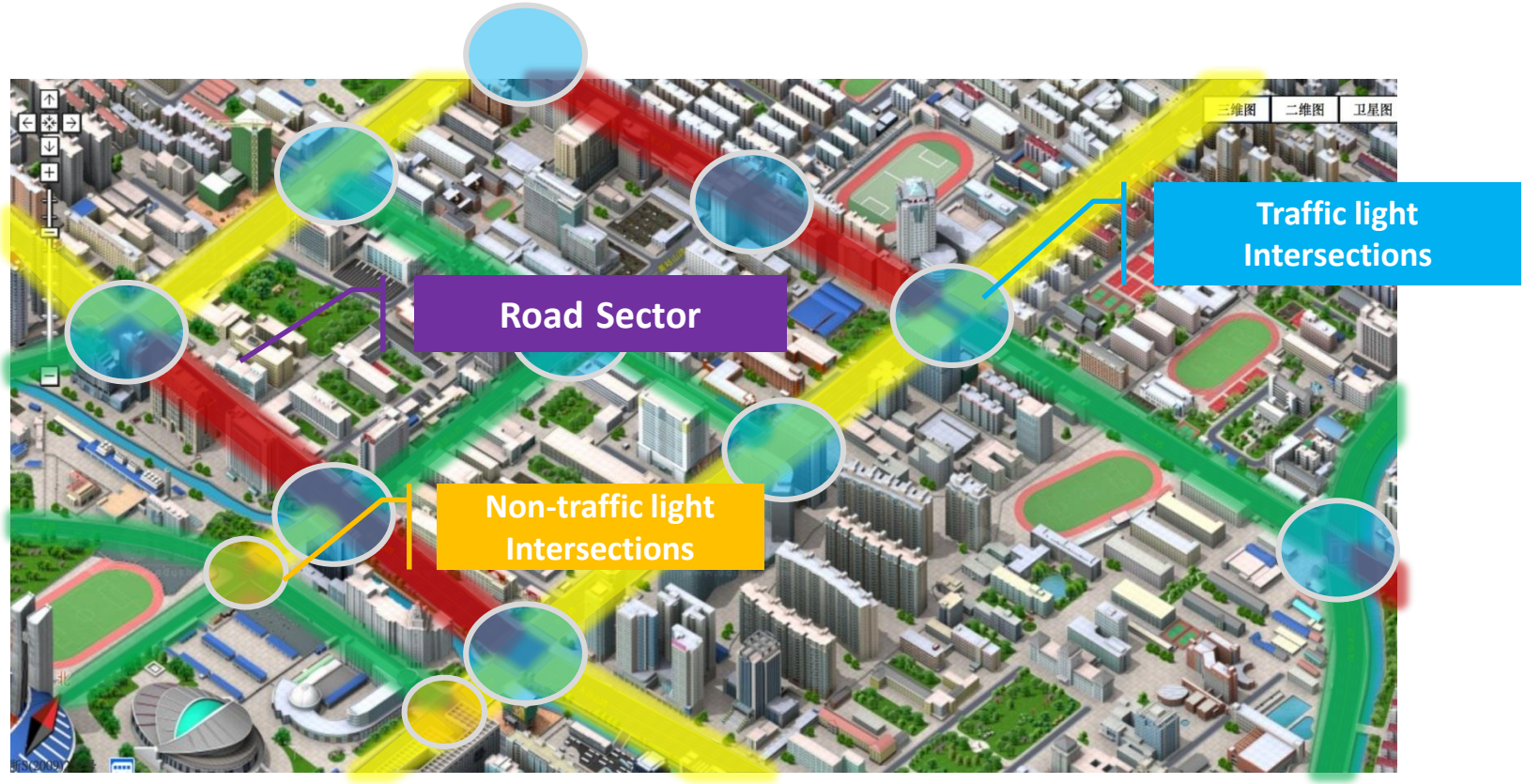
Area——Network of Road



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Integrated ITS Management System

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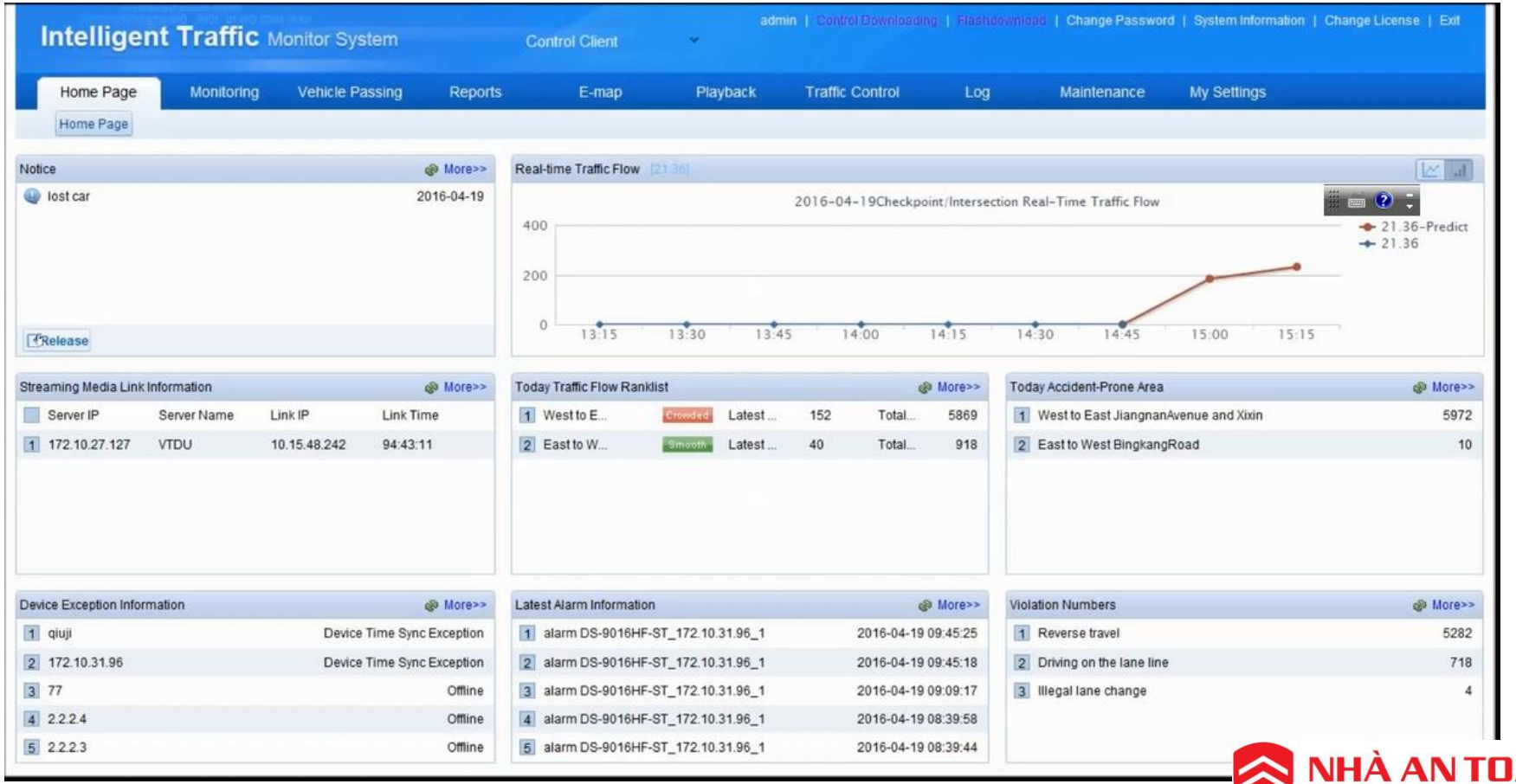

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One-Stop Traffic Command & Control

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E - Police

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Penalty Income

In China, taking 1,000-Lane project for estimation, Modeling by 2000 vehicle passing per day, we assume that there is 1% red-light violation, and for each the penalty is 200 CNY, the daily Penalty Income is 4 million CNY and it takes 25 days to retrieve the deployment cost of E-Police.

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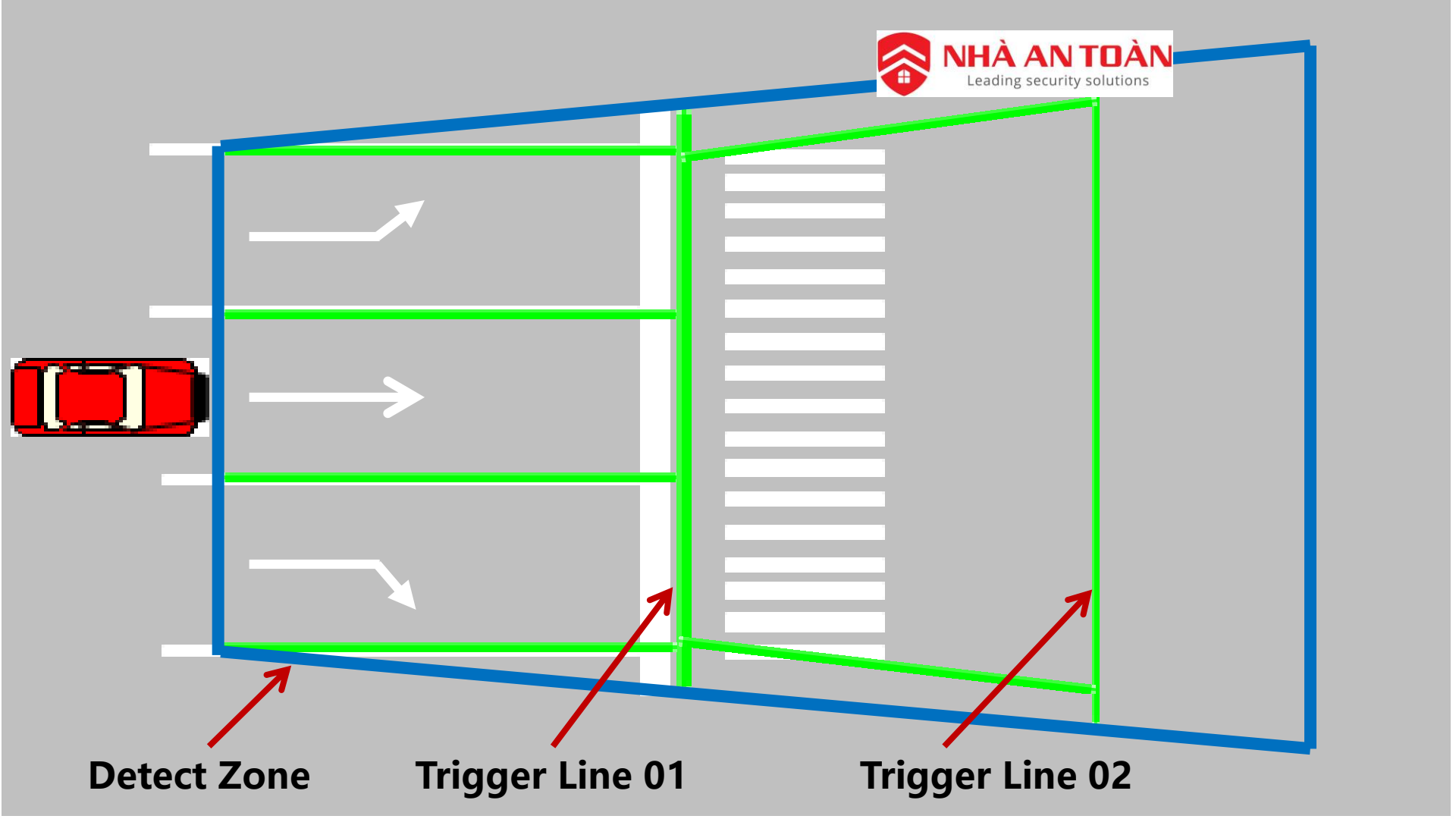
STOP
Running Red Light
Line-pressing
Retrograde
Wrong Lane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Detect Zone
Trigger Line 01
Trigger Line 02

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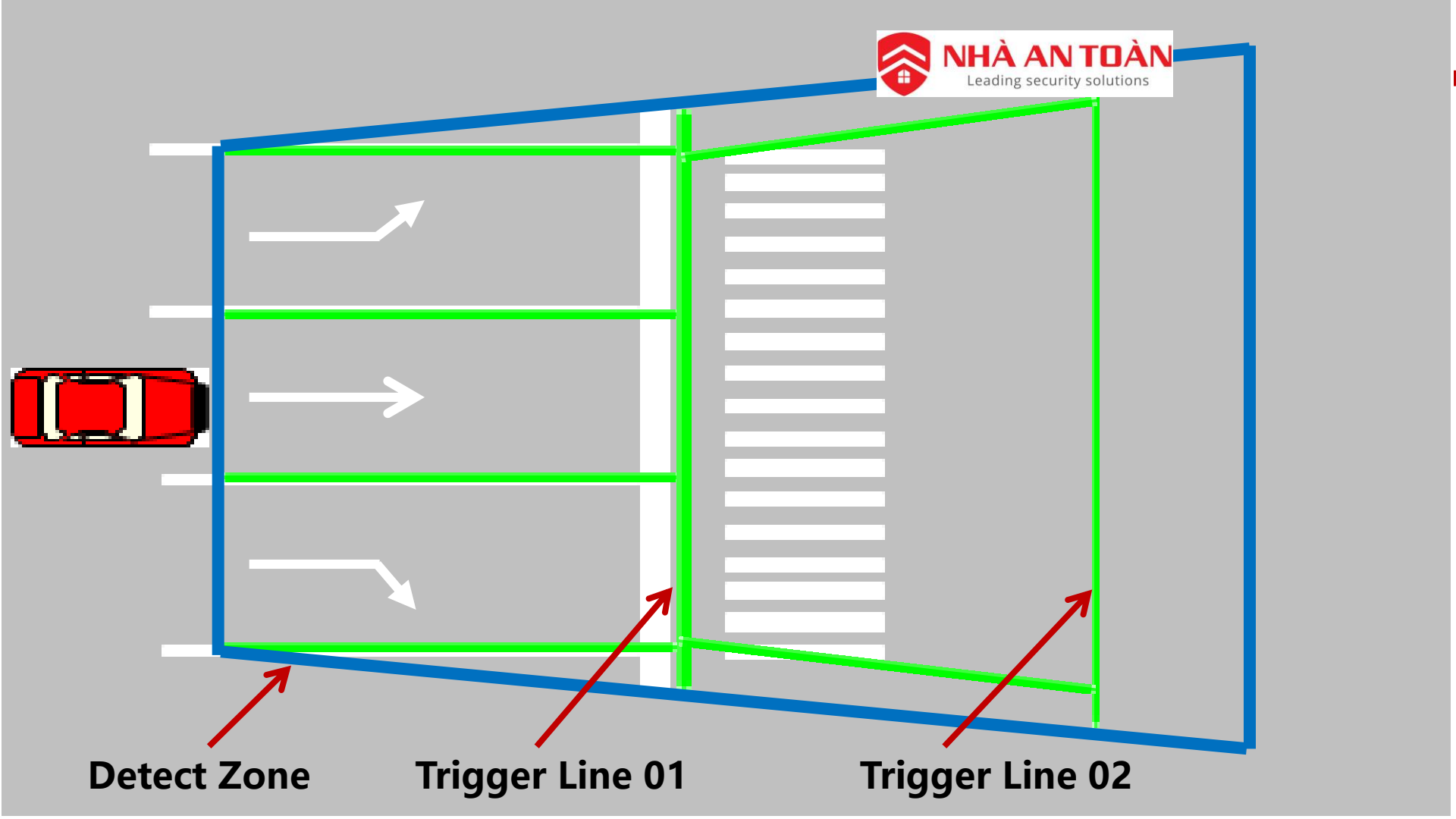
STOP
Running Red Light
Line-pressing
Retrograde
Wrong Lane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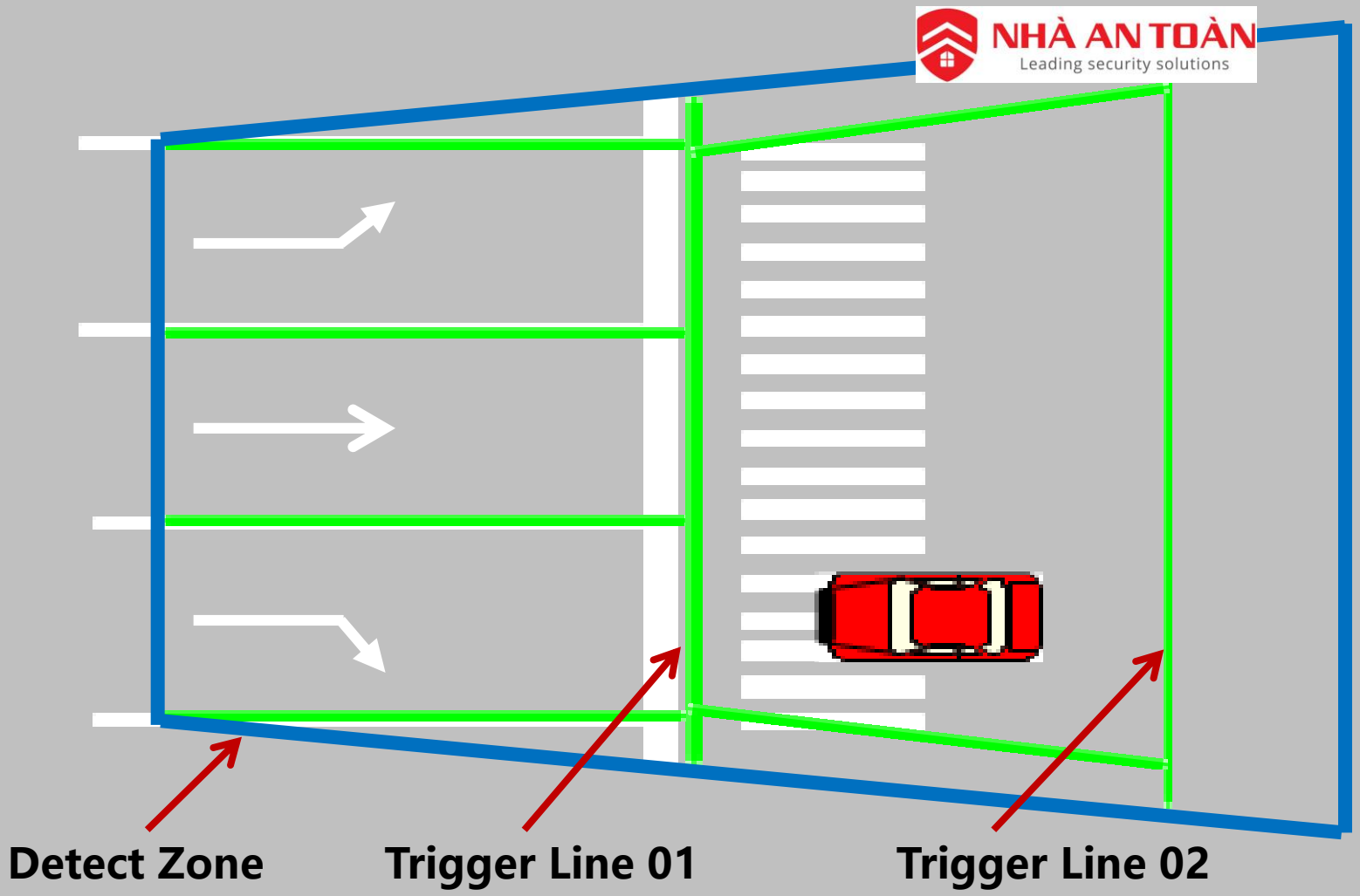
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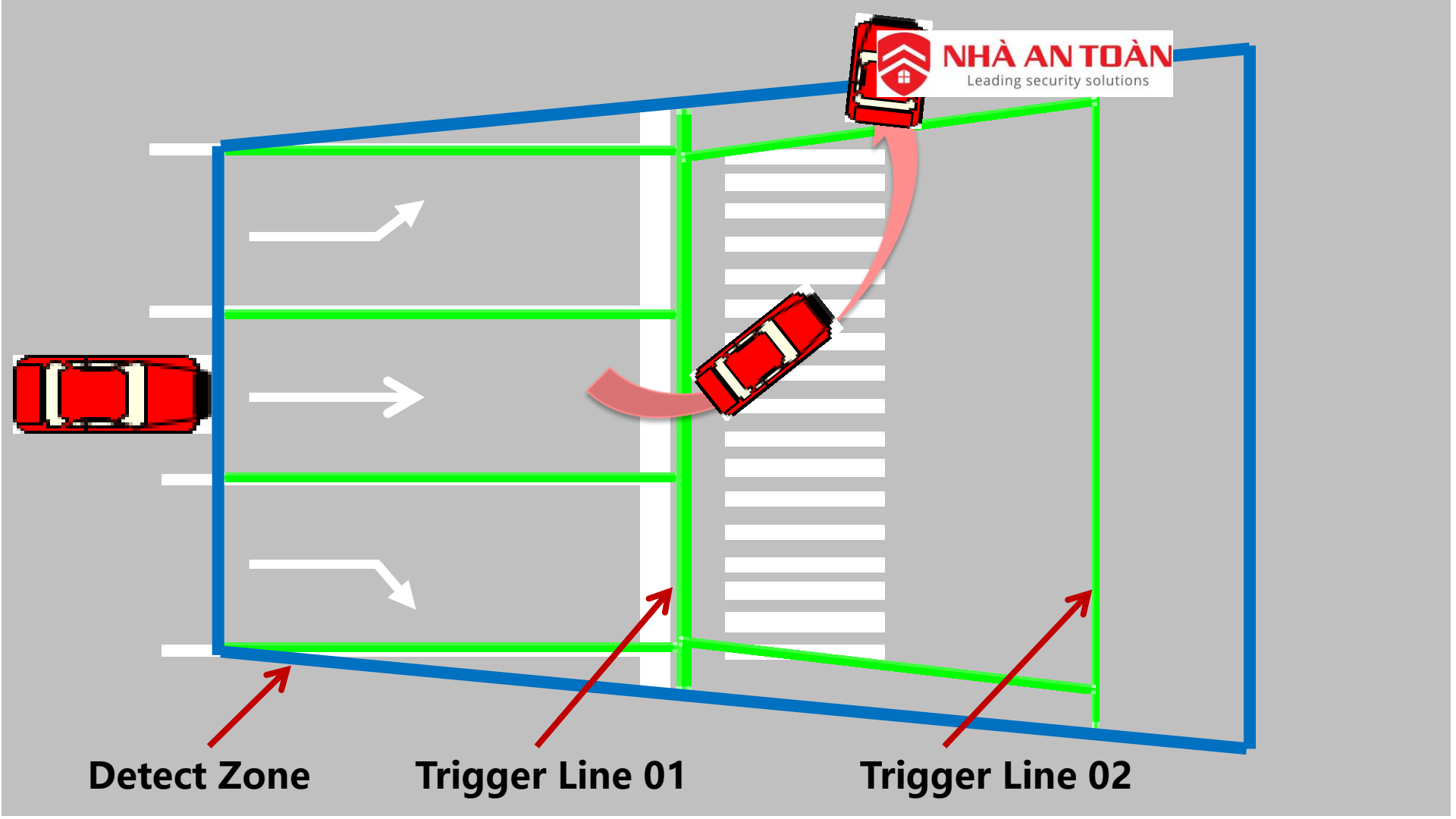
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Detect Zone
Trigger Line 01
Trigger Line 02

Field Shot of 2.0 Megapixel Camera

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Field Shot of 2.0 Megapixel Camera

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Traffic Bayonet

Traffic Bayonet

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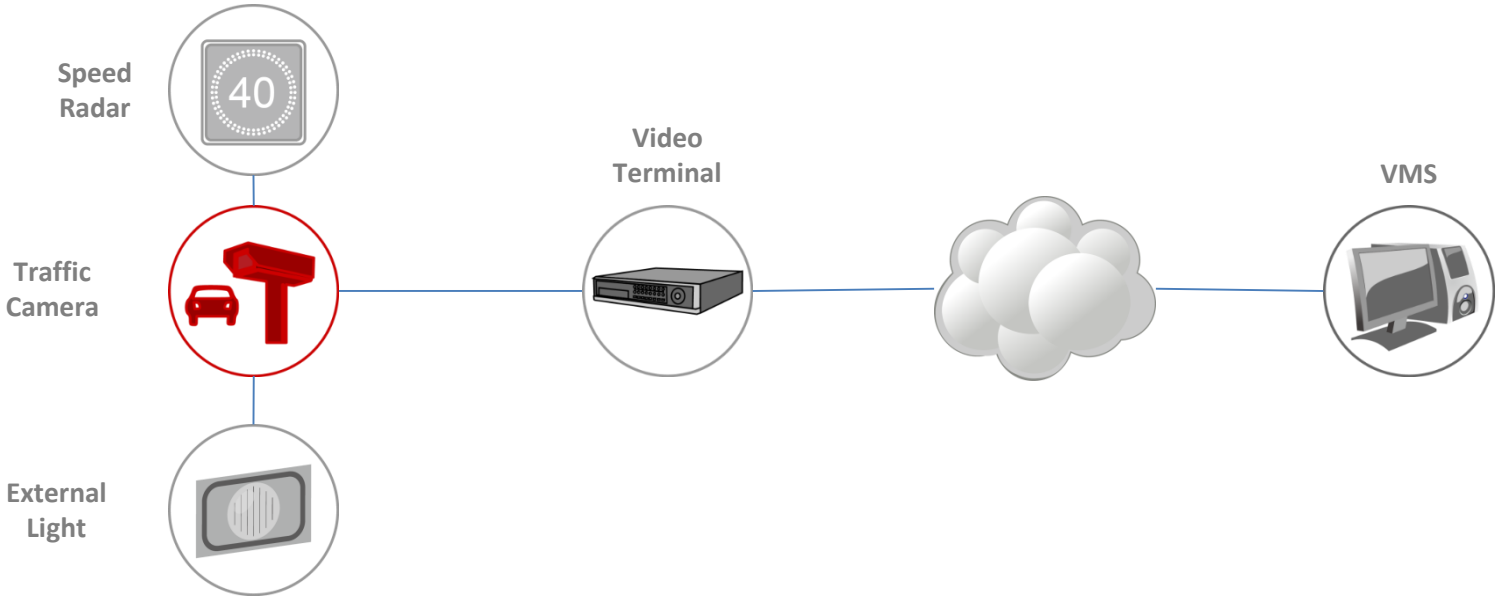
LPR

Speed Inspection

Forensic Capture

Vehicle Information Analysis

Traffic Bayonet Deployment



Snapshot Examples

Night

Day

3MP Capture Unit with Radar for 2-lane Road

Snapshot Examples

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Night

Day

7MP Capture Unit with Radar for 3-lane Road

Road Monitoring

Road Monitoring in Control Center

- Central Monitoring
- Incident Action
- Police Force Dispatching
- Event Investigation

Traffic Dismission

Vehicle & Volume Detector

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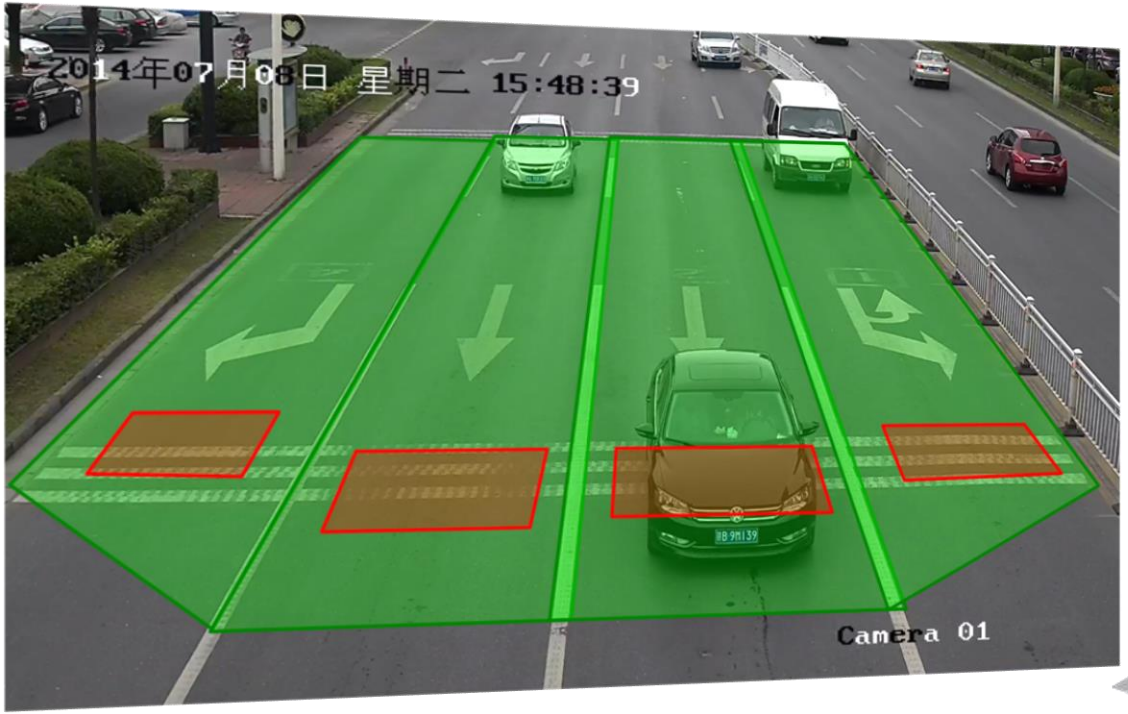
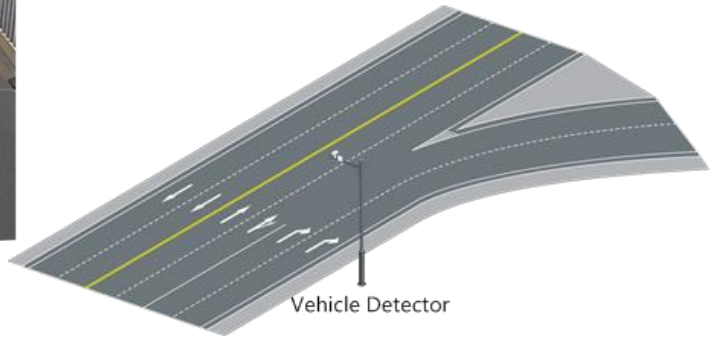
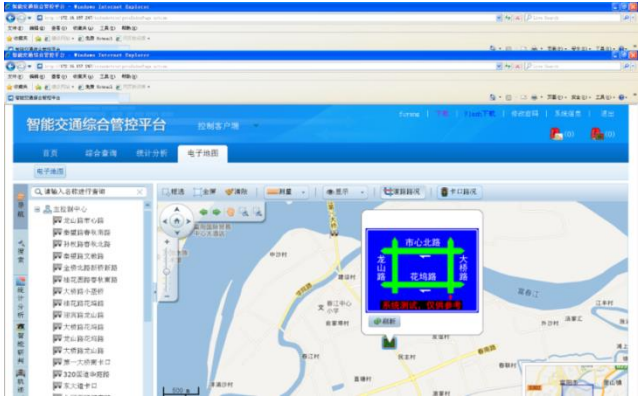


- Traffic Volume
- Lane Occupation
- Vehicle-vehicle Distance
- Average Speed



Traffic Guidance Applications



Illegal Parking

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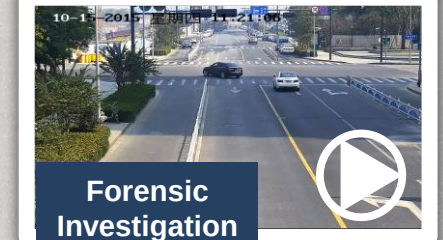
≥240m



Illegal Parking --- Forensic Capture

Extension of Applications

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Road Construction Plan

Big Data Analysis

Information Dismissing

Traffic Guidance

Jam & incident Management

Road Monitoring

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Thanks

Hikvision Digital Technology Co., Ltd.
No.555 Qianmo Road, Binjiang District
Hangzhou 310052, China
T +86 571 88075998
F +86 571 89935635
overseasbusiness@hikvision.com

www.hikvision.com