



Secure, Convenient, Economical

Dahua smart highway solution



Secure



Convenient



Economical

Challenges



Traffic Incident

- Reduce accident rate
- Reduce fatality rate
- Reduce over speeding vehicles



Customer Satisfaction

- Reduce traffic congestion
- Optimize motorist information



More Costs

- Reduce manpower costs
- Reduce overloaded vehicles

Overview

The Dahua Smart Highway Solution includes network based CCTV, Emergency Alarm, Traffic Incident Detection, Vehicle Overload Detection, Vehicle Over Speeding Management, Traffic Information Release and Display Systems. It utilizes professional equipment and Artificial Intelligent Algorithm to make every travel journey safer, convenient, and economical.

Details

Improves Highway Traffic Security

- Automatic incident detection for early detection of security risks.
- Emergency information release to remind people regarding security measures.
- Vehicle over speeding management to reduce traffic accidents.

Makes Traveling More Convenient

- ANPR at toll gates facilitates quick passage of vehicles.
- Improves traffic accident response speed and reduces traffic congestion.
- Optimizes public information release to notify travelers in time.

Reduces Operating Costs

- Obtains highway network status quickly without human intervention.
- Provides 24/7 road network monitoring, allowing immediate response in case of abnormal situations.
- Offers vehicle overload detection and vehicle control to reduce road damage.

Highway Solution Overview



Success Cases



National Highway in Pakistan

Dahua provided a complete CCTV solution including cameras, NVR, EVS, and DSS video management software.



Da-Li Expressway in China

Dahua video surveillance system and ITS system were installed. The system contains four parts: toll gate, tunnel, road side and TOC.

Recommended Products



ONVIF | S E T

SD8A240WA-HNF

2MP 40x Starlight+ IR WizMind AI Network PTZ Camera

- 1/1.8" 2MP CMOS
- 40x optical zoom, EIS
- IR distance up to 500m
- Supports face recognition
- Supports Hi-PoE
- Smart wiper, IP67
- Deep-learning-based auto-traffic incident detection



ONVIF | S E T

PTZ85260-HNF-WA-FL

2MP 60x Starlight Laser WizMind Network Positioning System

- 1/1.8" 2Mp CMOS
- 60x optical zoom, EIS
- Laser distance up to 1000m
- Deep-learning-based perimeter protection
- IP67
- Deep-learning-based auto-traffic incident detection



ONVIF | S E T

IPC-HFW5242H-Z6E-MF

2MP Vari-focal Bullet WizMind Network Camera

- 1/1.8" 2MP CMOS
- 50/60 fps@1080P (1920x1080)
- SMART H.264+/H.265+, WDR (140 dB), Day/Night (ICR), 3D DNR, BLC, HLC
- Supports face recognition, people counting, perimeter protection
- Max. IR distance: 140m
- Max 256G micro SD card, IP67, IK10, ePoE



ONVIF | S E T

ITC952-AU3F-IR

9MP All-in-One IR AI Enforcement Camera

- 9MP, 4096x2820@50fps
- 16~40mm len cover up to 3 lanes
- ANPR distance: 18~25m
- Build-in IR LEDs light
- All-in-one integrated design (ANPR, vehicle classified, traffic data collection, speed enforcement, radar linkage)
- Capture speed up to 200km/h
- Extend GPS (optional)



ONVIF | S E T

ITC215-PW6M-(IR)LZF

Access ANPR Camera

- 2MP, 1920x1080@25fps
- 3.2~10.5mm lens cover up to 1 lane
- ANPR distance: 3~6m
- Capture speed up to 30km/h
- Built-in LED illuminator for simplified installation
- Motorized vari-focal lens for easy installation and commissioning
- IP67 protection grade
- Accurately identify vehicles without license, as well as vehicle model, mark, series, color, etc.



PHTOA16

Traffic Guidance LED

- High brightness, strong penetration
- High protection, IP65 (front) / IP54 (rear)
- Intelligent control system, real-time fault monitoring, to ensure road safety
- Exquisite structure design, uniform luminescence
- Supports manual, automatic schedule intelligent brightness adjustment



IVS-TB8000-A

Traffic Event Detection Server

- Adopts deep learning algorithms
- Traffic incident detection: parking, pedestrian, congestion, counterflowing, debris, smoke, fire, over speeding, under speeding (for motor vehicles)
- Traffic flow detection: average speed, time occupancy rate, space occupancy rate, space headway, time headway and queue length



ONVIF | S E T

EVS7124D

24-HDD Enterprise Video Storage With Dual Controller

- Intel processor
- Dual controller architecture
- Max 512 IP camera inputs
- Max 1024 Mbps incoming/recording bandwidth
- 24 HDDs, SAS/SATA, hot-swap
- Supports RAID 0/1/3/4/5/6/10/50/60/JBOD, hot spare
- Supports N+M cluster
- Supports standard iSCSI protocol storage
- Modular&drawer-like design
- Redundant power



DSS-J9100

Traffic Surveillance Management Center

- New design interface, better experience, based on windows OS
- High Reliability. Supports hot standby for master server
- High Capability. Connects third-party devices via standard ONVIF protocol
- Easy performance upgrade through distributed hardware extension, clustered deployment maximum capacity: 100,000 channels
- DSS-J9100 SDK for third-party platform or mobile development

ENABLING A SAFER SOCIETY AND SMARTER LIVING

Dahua USA

Tel: +1 (949) 679-7777
Email: sales.usa@dahuatech.com
support.usa@dahuatech.com

Dahua Mexico

Tel: +52 55 67231936
Email: sales.mx@dahuatech.com
support.mx@dahuatech.com

Dahua Colombia

Tel: +571 7446110
Email: sales.co@dahuatech.com
support.co@dahuatech.com

Dahua Brazil

Tel: +55 11 32511871
Vendas: comercial.br@dahuatech.com
porte Técnico: suporte.br@dahuatech.com

Dahua Perú

Tel: +511 500-8555
Email: sales.pe@dahuatech.com
support.pe@dahuatech.com

Dahua Chile

Tel: +56 232705421
Email: sales.cl@dahuatech.com
support.chile@dahuatech.com

Dahua Argentina

Email: project.ar@dahuatech.com

Dahua Panama

Email: sales.pa@dahuatech.com
Support: support.pa@dahuatech.com

Dahua Thailand

Tel: +66 2541 5188
Email: info.th@dahuatech.com
hr.th@dahuatech.com

Dahua Singapore

Tel: +65 65380952
Email: sales.sg@dahuatech.com

Dahua Turkey

Email: sales.tr@dahuatech.com
support.tr@dahuatech.com

Dahua Malaysia

Tel: +60376620731
Email: sales.my@dahuatech.com

Dahua Indonesia

Tel: +62 811 867 7728
Email: sales.indo@dahuatech.com

Dahua S.Korea

Tel: +82 7081618889
Email: sales.kr@dahuatech.com
support.kr@dahuatech.com

Dahua India

Tel: +91 1244569100
Email: sales.india@dahuatech.com

Dahua Russia

Tel: 8 (499) 682-60-00
Email: info@dahuatech.com

Dahua Kazakhstan

Tel: +7 727 3110838
Email: sales.kz@dahuatech.com

Dahua UK

Tel: +44(0)1628 613 500
Email: sales.uk@dahuatech.com

Dahua the Netherlands

Tel: +31 (0) 79 799 96 96
Email: sales.benelux@dahuatech.com

Dahua Iberia

Tel: +34 917649862
Email: sales.iberia@dahuatech.com

Dahua Italy

Tel: +39 3703446609
Email: sales.italy@dahuatech.com

Dahua Germany

Tel: +49 211 20544121
Email: sales.de@dahuatech.com

Dahua France

+33 1 48 53 70 53
Email: sales.france@dahuatech.com

Dahua CEE & Nordic

Tel: +48 223957400
Email: dh.cen@dahuatech.com

Dahua Poland

Tel: +48 223957400
Email: biuro.pl@dahuatech.com

Dahua SRB

+38 1 (11) 4429999
Email: dh.srb@dahuatech.com

Dahua Denmark

Email: Nordic.ne@dahuatech.com

Dahua Hungary

Tel: +36 17899852
Email: sales.hu@dahuatech.com

Dahua Bulgaria

Tel: +35929950013
Email: support.bg@dahuatech.com

Dahua SRL

Email: marketing.ro@dahuatech.com

Dahua Czech

Tel: +420 225 986 001
Email: admin.cz@dahuatech.com

Dahua S. Africa

Email: sales.za@dahuatech.com

Dahua Australia

Tel: +61 299285200
Email: sales.oc@dahuatech.com

Dahua Middle East

Tel: +971 48815300
Email: sales.me@dahuatech.com
info.me@dahuatech.com

* Design and specifications are subject to change without notice.

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DAHUA TECHNOLOGY

No.1199 Bin'an Road, Binjiang District, Hangzhou, China. 310053

Tel: +86-571-87688883 Fax: +86-571-87688815

Email: overseas@dahuatech.com

www.dahuasecurity.com

