



# AIA-C01TRF

Traffic (ITS) AI pack



### Key Features

- Detect and classify vehicles (car, truck, bus, motorcycle, bicycle)
- Wrong-way vehicle and illegal u-turn detection
- Vehicle speed detection
- Traffic jam and stopped vehicle detection
- Pedestrian detection
- Vehicle counting
- Vehicle turning movement counts
- Vehicle queue analysis
- Vehicle detection heatmap

### Compatible Accessories (Optional)



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## Specifications

<b>Application</b>	
Type	Camera application
Installation	Hanwha Vision open platform v5.x.x or higher
Solution	Traffic(ITS) pack
Version	v2.0
<b>Analytics</b>	
Classified object type	Vehicle, License plate
Settings	Sensitivity, Min/max size setting, Exclude area setting
BestShot	Support
Attributes	Vehicle(Type: car/bus/truck/motorcycle/bicycle)
Analytics events	Object detection, Line crossing(Direction), Virtual area(Loitering/Intrusion/Enter/Exit) Stopped vehicle detection(Up to 3 hours, Three areas, Select vehicle types) Traffic jam detection(Vehicle average speed per area, Two rules) Vehicle queue event(Occupancy per zone) Pedestrian detection (Three areas with duration) Vehicle speed detection(Up to 40km/h) Wrong-way detection
Event action (Cameras event rule setup)	When alarm trigger occurred - File upload(image): e-mail/FTP - Notification: e-mail - Recording: SD/SDHC/SDXC or NAS recording at event triggers - Alarm output - Handover: PTZ preset, send message by HTTP/HTTPS/TCP - Audio clip playback - MQTT: publication
Statistics	- Multi-lane vehicle turning movement counts (straight, left/right, u-turns): Up to 20 rules, Select vehicle (Type: car/bus/truck/motorcycle/bicycle) - Vehicle counting : Vehicle(Type: car/bus/truck/motorcycle/bicycle, Two lines with direction) - Vehicle queue management : Real time zone counting, Generate events based on zone-specific thresholds. - Vehicle heatmap
Statistics report	Reporting to FTP and Email by schedule XLSX, TXT file for counting, PNG for Heatmap data
Additional metadata	Vehicle average speed in the zone (Traffic jam detection) Vehicle speed per vehicle (Vehicle speed detection) Occupancy real-time counting(Vehicle queue management)
<b>Supported devices</b>	
Cameras	PND-A9081RV/A9081RF, PNV-A9081R, PNO-A9081R, PND-A9081RVX, PNV-A9081RX, PNB-A9001 - Firmware version : 2.21.15 or higher PND-A6081RV/A6081RF, PNV-A6081R, PNO-A6081R, PNB-A6001 - Firmware version : 2.21.08 or higher
<b>Integration</b>	
AI search	Genetec Security Center - 5.10 + DP 10.14 or higher, 5.11 + DP 11.3 or higher, 5.12 or higher - Hanwha Plug-in for Genetec_v1.04.00 or higher Milestone - DP 12.2a or higher - Hanwha Plug-in for Milestone_v1.05.00 or higher
Application Programming Interface	Hanwha Vision OpenAPI
<b>License</b>	

Design and specifications are subject to change without notice. The latest product information / specification can be found at [HanwhaVision.com](http://HanwhaVision.com).

Hanwha Vision is formerly known as Hanwha Techwin.

Trial version	Supported (60days) model code : AIA-C01TRF-T60/EX
Sales version	model code : AIA-C01TRF/EX