



# 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)



# AIA-C01TRF

Traffic (ITS) AI pack

## 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)<br>Stopped vehicle detection(Up to 3 hours, Three areas, Select vehicle types)<br>Traffic jam detection(Vehicle average speed per area, Two rules)<br>Vehicle queue event(Occupancy per zone)<br>Pedestrian detection (Three areas with duration)<br>Vehicle speed detection(Up to 40km/h)<br>Wrong-way detection |
| Event action (Cameras event rule setup) | When alarm trigger occurred<br>- File upload(image): e-mail/FTP<br>- Notification: e-mail<br>- Recording: SD/SDHC/SDXC or NAS recording at event triggers<br>- Alarm output<br>- Handover: PTZ preset, send message by HTTP/HTTPS/TCP<br>- Audio clip playback<br>- 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)<br>- Vehicle counting : Vehicle(Type: car/bus/truck/motorcycle/bicycle, Two lines with direction)<br>- Vehicle queue management : Real time zone counting, Generate events based on zone-specific thresholds.<br>- Vehicle heatmap                   |
| Statistics report                       | Reporting to FTP and Email by schedule<br>XLSX, TXT file for counting, PNG for Heatmap data  |
| Additional metadata                     | Vehicle average speed in the zone (Traffic jam detection)<br>Vehicle speed per vehicle (Vehicle speed detection)<br>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<br>- Firmware version : 2.21.15 or higher<br>PND-A6081RV/A6081RF, PNV-A6081R, PNO-A6081R, PNB-A6001<br>- Firmware version : 2.21.08 or higher  |
| <b>Integration</b>                      |  |
| AI search                               | Genetec Security Center<br>- 5.10 + DP 10.14 or higher, 5.11 + DP 11.3 or higher, 5.12 or higher<br>- Hanwha Plug-in for Genetec_v1.04.00 or higher<br>Milestone<br>- DP 12.2a or higher<br>- 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)<br>model code : AIA-C01TRF-T60/EX |
| Sales version | model code : AIA-C01TRF/EX                           |