

TRIACS
TECHNOLOGY

VEHICLE COUNTER &
ROAD TRAFFIC ANALYZER
SOFTWARE

The Professional System For

Urban/Road Traffic Management (& Highway Administration) In order to data collection, incident detection, and planning for road safety based on artificial vision (artificial intelligence and video processing) that turns any traffic monitoring camera into an advanced A.I. Robot.

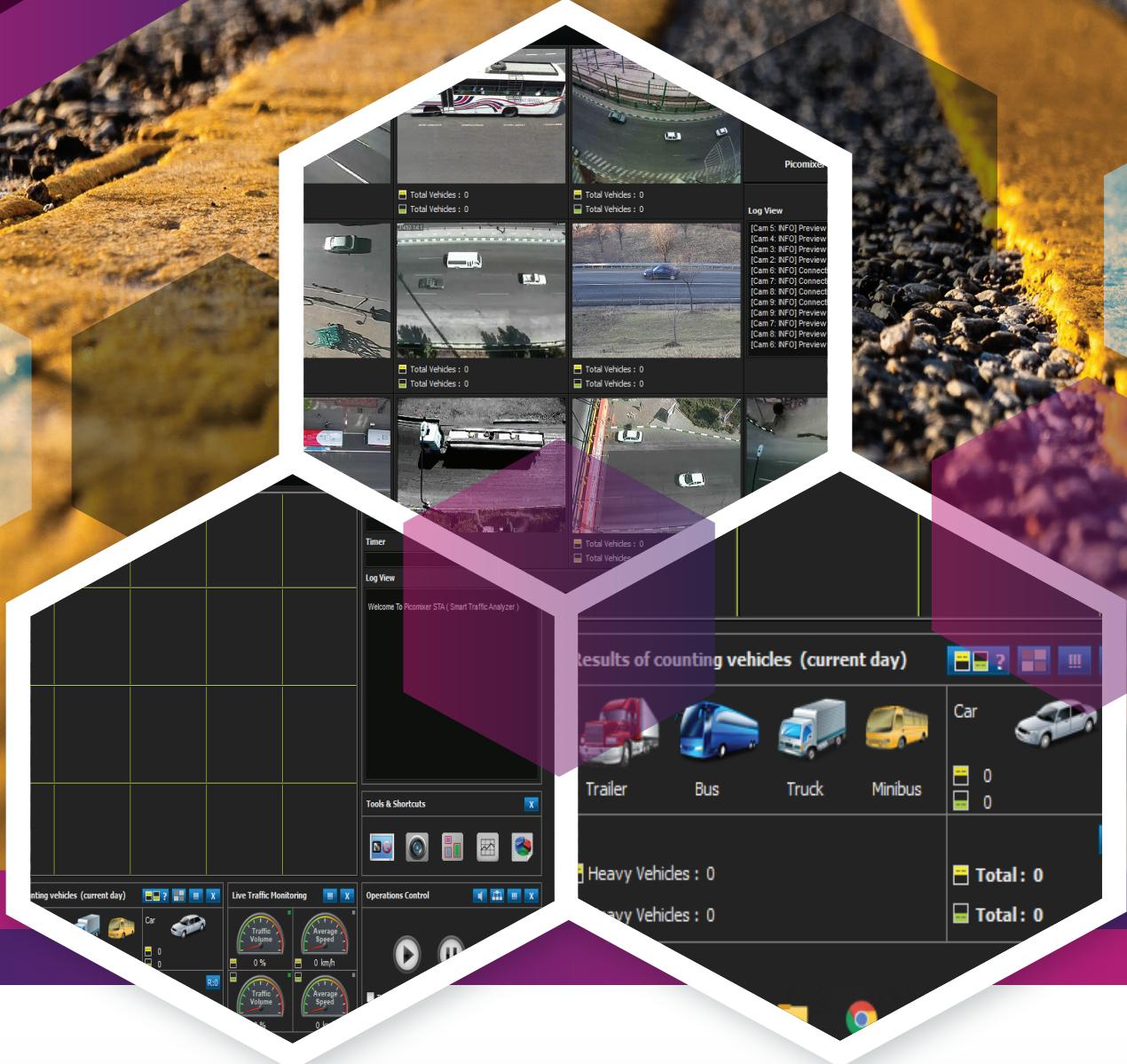
SMART TRAFFIC ANALYZER (STA)



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Expanding Technology and Innovation Reach



Basic Features of STA (Smart Traffic Analyzer)

- ▶ Automatic Highway / Road / Street (but not intersection) traffic analysis using artificial intelligence and video processing.
- ▶ Counting and classification vehicles (per direction (in two directions including several lanes) in different classes including:
- ▶ Totality classification system in 2 groups (more precise classification system of STA) :
 - Light Vehicles (Cars)
 - Heavy Vehicles (Minibus + Truck + Bus + Trailer)
- ▶ Detailed classification system in 5 groups :
 - Car
 - Minibus
 - Truck
 - Bus
 - Trailer
- ▶ Calculating the real-time and average traffic volume
- ▶ Calculating the average speed of vehicles
- ▶ Providing applicable reports in different forms, including charts, tables, and MS Excel files
- ▶ Visualization of traffic congestion as well as to display incidents on a live interactive map
- ▶ Flexible to work in different operational environments
- ▶ Ability to operate in two modes: Online (real time connection to the camera), Offline (video files)
- ▶ Ability to use different video sources including all standard types of IP Cameras and Analog Cameras
- ▶ Ability to adapt to the different climates and ability to smart matching with sudden changes in weather conditions
- ▶ Ability to integrate with popular video management systems such as Milestone XProtect and Axis Media Control
- ▶ Ability to integrate with interactive visualization systems such as dynamic maps to visualize the road traffic congestion