

TRAFFICSPOT®

FLEXIBLY CUSTOMIZABLE
TRAFFIC MONITORING SOLUTION



 VEHICLE FRONT NUMBER PLATE EU KOD 768	 VEHICLE REAR NUMBER PLATE EU KOD 768	 LENGTH: 2 350 CM WIDTH: 355 CM HEIGHT: 488 CM	 NUMBER OF AXLES: 5
 FRONT ANPR CAMERA	 REAR ANPR CAMERA	 OVERVIEW CAMERA IMAGE	 SHAPE CATEGORY: J2, J3, J4
DATA OBTAINED FROM THE INSTALLED OBU OF A VEHICLE VEHICLE LICENCE PLATE NUMBER, VEHICLE AXLES, VEHICLE CLASS, VEHICLE WEIGHT LIMITS, EQUIPMENT OBU IDENTIFIER			 SIDE SCANNING CAMERA
			AUTHENTIC SPEED DATA 82 KM/H

INTELLIGENT TRANSPORTATION SYSTEM (ITS) MEASUREMENT POINT

TrafficSpot® collects valuable road traffic data – in the city or on the open road. It is an innovative yet field tested complex automatic solution that helps traffic authorities (or highway management organizations) to monitor traffic, optimize traffic control, collect road toll and generally streamline transportation.

TrafficSpot® is a single-gantry, multilane site control system. Designed for automatic traffic monitoring with multiple sensors, TrafficSpot® automatically recognizes number plates, measures vehicle dimensions, counts the axles and calculates vehicle category. TrafficSpot® even has a weigh-in-motion (WIM) option.

In short, TrafficSpot is a flexibly customizable turnkey solution with the benefit of being platform-independent – ready to be integrated to any local or national infrastructure of traffic management or toll collection system.

 TOLL TOLL COLLECTION	 TRAFFIC SECURITY MONITORING	 JOURNEY TIME MEASUREMENT
 SPEED ENFORCEMENT	 CONGESTION CHARGING	 BUS LANE AND RED LIGHT ENFORCEMENT

MAIN BENEFITS

- Increases security and safety of transportation infrastructure
- Tracks vehicles carrying dangerous goods
- Automating ADR (HIN) code reading that saves time and resources
- High accuracy and recognition rates
- Smooth and problem-free operation 24/7

TOWARD THE FUTURE IN SAFETY – SINCE 1991

APPLICATION AREAS

TRAFFICSPOT®

Road toll collection • City/highway use • Border control • Speed enforcement • Road, tunnel and bridge security

TECHNICAL DETAILS

COMPLEX MULTI-SENSOR TRAFFIC MONITORING:

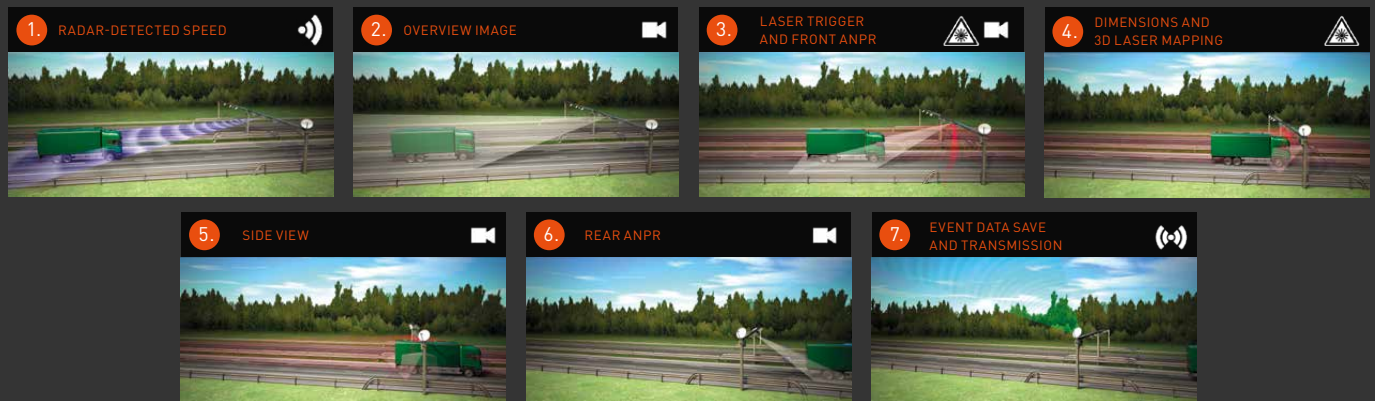
- Doppler-radar (hardware trigger and certifiable speed detection)
- FreewayCAM front and rear view ANPR/LPR camera
- FreewayCAM overview camera
- 3D laser scanner (triggering, vehicle categorization)
- Weight-in-motion measurement (WIM)
- Carmen® FreeFlow ANPR/LPR software (Latin, Arabic, Cyrillic, etc. characters)
- GPS location and timestamp
- Other sensors available on request

Recommended installation height:	6 m; max. 10 m (20 ft; max. 33 ft)
Typical lane width:	4 m (13 ft)
Operating temperature:	-30 °C to +65 °C (-22 °F to +149 °F); from -50 °C (-58 °F) with auxiliary heating
IP rating:	IP65
Speed limit:	up to 250 km/h (155 mph)

TYPICAL DATA STRUCTURE:

- Text data: location ID, event ID, lane ID, GPS location and timestamp, vehicle plate country code, front and rear number/license plate, vehicle category, axle count, speed
- Optical data: front and rear vehicle plate; front view, rear view and overview
- Data Output: xml, binary

PROCESS EXAMPLE:



ARH GLOBESSEY® DATA SERVER – ROADSIDE ENDPOINTS AND INTEGRATED MIDDLEWARE



ADDRESS: ALKOTAS UTCA 41, H-1123 BUDAPEST, HUNGARY, EU
 PHONE: +36 1 201 9650 • FAX: +36 1 201 9651
 WWW.ARH.HU • EMAIL: SENDINFO@ARH.HU