



ADEC
Technologies

**Non-Intrusive Traffic Detectors
for ITS Applications**



“Accurate traffic data and reliable acquisition do not always matter”



“But when they do, it makes all the difference”



ADEC Technologies

was founded in 2009 with the aim to provide industry-leading combination of product excellence and customer care. The company has established itself as quality supplier of high-performance traffic detectors. Within the first three years of operation, ADEC has already sold over 2,000 traffic detectors world-wide.

ADEC Experience

ADEC Technologies, leveraging decades of R&D experience in road traffic detection, works at your side to ensure your traffic management system gets the most accurate traffic data in any weather condition so it can deliver to your customers the performance they demand.

Video Verification

The combination detector **TDC4** utilizes video in addition to the three detection technologies microwave radar (MW), ultrasound (US) and passive infrared (PIR). It was the world's first quad-technology road traffic detector. This detector allows traffic management personnel to automatically get images of irregular traffic conditions - or manually at any time - via built-in camera without the need for costly infrastructure upgrades.

Data Collection & Transmission

Offering its growing experience in the collection & transmission of traffic data, ADEC can assist installers and integrators in applications where wire-based data transmission is not feasible or otherwise undesirable.



TDD1: Microwave Doppler Radar **MW**

This simple traffic detector with IR control unit features a detection range of 30 m (100 ft) and an SPDT relay output for various detection needs of vehicles or pedestrians.

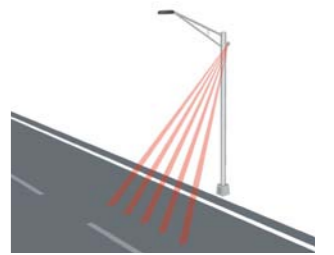
- ✓ Approaching, departing or bi-directional traffic detection
- ✓ Wide operating voltage range 5.0 - 60 V DC / 24 V AC
- ✓ Wireless setup using IR remote



TDC1: PIR Traffic Detector **PIR**

Highly accurate traffic counter with radar-like speed accuracy.

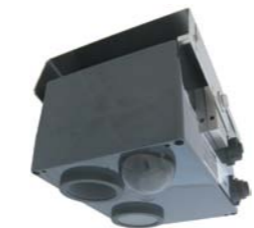
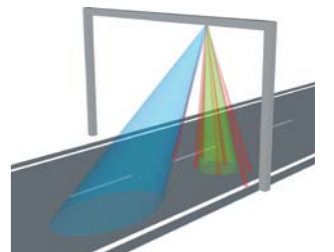
- ✓ Ultra-low power consumption of less than 60 mW
- ✓ Suitable for both inter-urban and urban applications
- ✓ Accurate 3-bin classification by vehicle length
- ✓ Exceptional traffic data accuracy



TDC3: Multi-Technology Vehicle Classifier **PIR MW US**

Vehicle classifier providing accurate TLS-style classification.

- ✓ Available for 2, 2+1, 5+1 and 8+1 (TLS) vehicle classes
- ✓ Easy, automated commissioning
- ✓ Side-mount available for single lane, 2-bin classification by vehicle length
- ✓ Small size, light-weight design

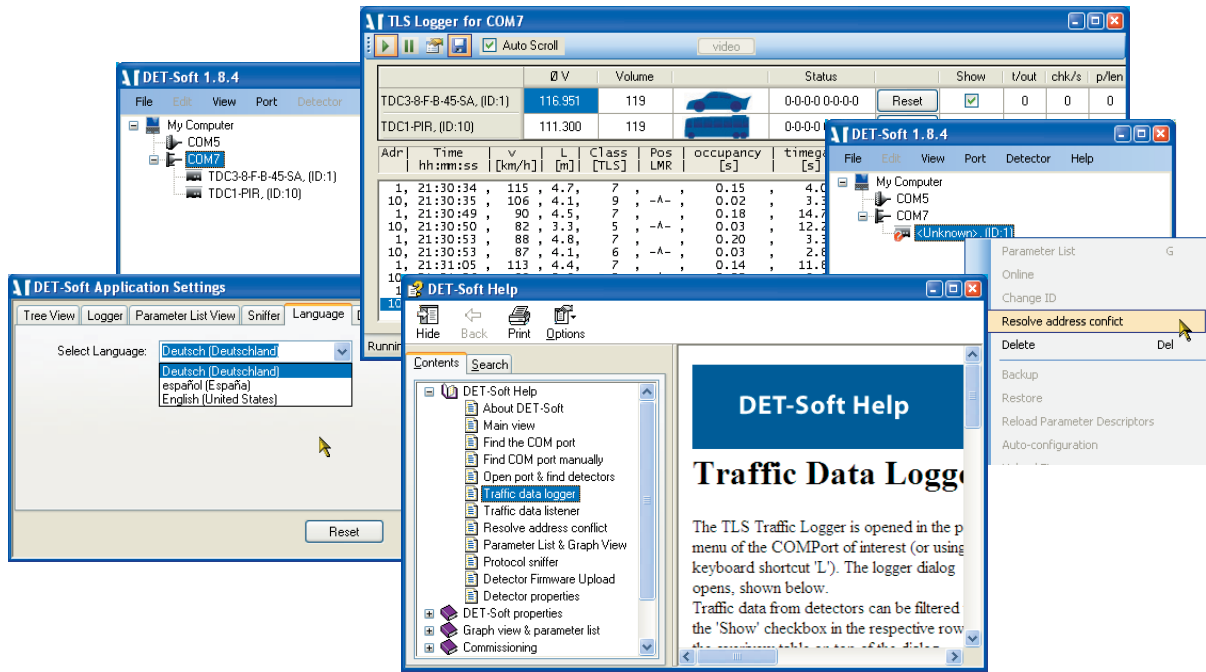


TDC4: Vehicle Classifier with Image Verification **PIR MW US CAM**

The TDC4 model combines image verification capabilities with the superior detection and measurement performance of the TDC3 series.

- ✓ Visual verification of irregular traffic situations
- ✓ Triggered by traffic alarms or remotely through traffic management system
- ✓ All other features found in TDC3 model series





DETSOFT

DETSOFT is ADEC's Windows®-based Installation and Commissioning Software that gives the installer a user-friendly, intuitive tool to commission, configure and trouble-shoot installations with one or more TDC detector.

- ✓ Launches and documents TDC self-calibration process
- ✓ Extensive diagnostics tools to quickly resolve on-site troubles
- ✓ Communications statistics to uncover and identify wiring problems
- ✓ Fully built-in, context-sensitive help throughout
- ✓ Passive listening mode to monitor outstation traffic
- ✓ Ability to back-up and restore all detector settings
- ✓ Connectivity to remote sites via TCP/IP
- ✓ Microsoft .NET 2.0 -based: runs both on established as well as the latest hardware

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ADEC Technologies AG
 Gublenstrasse 1
 8733 Eschenbach, Switzerland
 +41-55-214-2400 • +41-55-214-2402 (fax)
 info@adec-technologies.com • www.adec-technologies.com