



ADVANCED TRAFFIC TECHNOLOGY
COUNTS, SEPARATES & CLASSIFIES IN **ALL** CONDITIONS

Technical Sheet No. 6

THE Idris® ADVANTAGE

Idris HAS FIVE PRINCIPAL APPLICATIONS:

TOLLING:

Counts and classifies to accuracies required by toll agencies;
Optional trigger for video enforcement;
Optional AVI tag correlation for express lanes;
Suitable for all lane types including multi-lane open road tolling (ORT);
Works in pre and post class position, relative to payment point;
Available as a boxed or embedded product (software runs on client lane controller).

SHADOW TOLLING - DESIGN, BUILD, FINANCE & OPERATE (DBFO):

Very accurate vehicle length measurement;
Meets UK DoT DBFO 1999 specification;
Applicable where there is no culture of conventional tolling.

INTELLIGENT VEHICLE DETECTION:

Based on inductive loop profile;
Used for bus priority, with no "in vehicle" technology required.

DATA COLLECTION / CENSUS GATHERING:

Classifies according to profile, number & make up of axles;
Uses loops only;
Works in all traffic and weather conditions;
US FHWA 15 classes as standard;
On screen per vehicle records (pvr), reduced format pvr for video verification.

INCIDENT DETECTION:

Detects single stopped vehicle in low traffic volumes;
Provides highly accurate vehicle detection system;
Uses rapid analysis of inductive vehicle profile from loops.

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THE Idris[®] ADVANTAGE

FEATURE:

Superior Accuracy:

Counts accurately

Classifies accurately

Measures accurately

Loop based

Single sensor technology

Single or multilane system

High speed communications

Detects axles from profile

Pinpoints vehicle position

Dynamic signal processing

Works in all traffic conditions

Flexible class tree

BENEFIT:

Improved data:

Volume

Accurately separates in stationary traffic

Speed & Length

Mechanically reliable / No weather limitations

Less infrastructure / Lower cost

Flexibility

Convenience / Reliability

Discriminates raised axles

Identifies lane straddling

Not reliant on templates / matching

Continues to work in congestion

Customised class tree

Idris - TECHNOLOGY YOU CAN COUNT ON!

Better than **99.99%** count accuracy in free flow traffic

Better than **99.9%** count accuracy in congestion

Better than **99.7%** axle class accuracy in express lane tolling

Trigger for enforcement camera, **+/- 30cms (1 foot)** from nominated trigger point.

Idris IS A PRECISION INSTRUMENT

The Idris Technology is protected by one or more of the following patents:

EP0879457, USA 6345228, 6337640 and 6483443

Patent Applications Pending in other Countries

Idris[®] is a registered trademark of Diamond Consulting Services Ltd.

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