T-ID

Kria
KNOWLEDGE RESEARCH IN IMAGING APPLICATIONS

Advanced technology for Traffic Applications   **PATENTED** Intellectual property: KRIA S.r.l.

Access Monitoring

T-ID tracks the vehicle and recognizes the license plate at the camera video rate (e.g. 50 fps)

T-ID is the right solution for automatic vehicle identification and access control at metropolitan zones, intersections, highway tollgates, car parks or private zones.
T-ID is **certified by the Italian Ministry of Transport**.
T-ID LPR passed every test provided for **UNI 10772** with a **100%** recognition rate.
Fast and easy T-ID installation does not require additional inductive loops, lasers, radar or photocells.
T-ID processes the video stream in real time, automatically detecting and recognizing the car license plate, and eventually checking it against black and white lists.
T-ID reads license plates as well as any other alphanumeric code in an outdoor enviroment (e.g. freight container ISO codes).
T-ID does not require any special traffic canalization, barriers, civil works but simple installation rules.
The T-ID Server reads the license plates from the video stream, selecting the most significant frame.
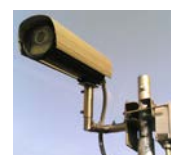The continuous reading process improves the LPR reliability.
T-ID companion T-3D provides vehicle 3D classification.
The Central Unit Event Server manages every remotely connected T-ID and stores unlimited numbers of events. It can be also connected to a national database for driver identification and traffic fine management.

System architecture - 3 interconnected components

Acquisition Unit (camera with IR led lighting in IP 66 housing) to be installed at the access gate

Link: PAL or TCP/IP for video and RS232 or TCP/IP for camera control

Processing Unit (T-ID Server industrial PC, Windows OS and T-ID executable for event detection) to automatically process video streams

Connection: TCP/IP network

Central Unit (Event Server with safe encrypted event database and Clients for operator access)

Gate: Reduced visual impact

Acquisition Unit IP66 housed camera and lighting system 40 cm x 13 cm

Wall or vertical pole mounted camera 10-15 m before the access gate

T-ID Server, ultra-slim industrial PC embedded in the traffic light controller cabinet

Gate: No Civil Works

Automatic vehicle detection does not require invasive inductive loops, radars or laser

Wireless data transmission among system components does not require excavations

System installation time less than 3 hours without traffic suspension

Best Quality/Price ratio

Engineered component for fast installation

Neither operative nor maintenance costs

Access documents electronically transmitted to the Central Unit

T-ID Server (Gate)

UNI 10772 certified - 100% recognition rate – Top "A" Class - LPR worldwide layouts and fonts

50 frames/sec per lane automatic license plate reading

Transit detection up to 200 Km/h

Night-time and all-weather transit detection

Simultaneous transit detection for multi-lane or queued traffic

Fully designed and produced by Kria - Professional experience in video enforcement systems since 1990

1, 2 and 3 parallel lane configurations available (from 720x576 up to 2450x2048 pixels)

Event Server (Central Unit)

Gate daily, weekly, monthly or hourly programs

White lists for authorized accesses

Black lists for suspected license plates

Event database includes place, time, image and license plate number

Data protected by encryption

Interface with third parties

Traffic statistics

Software customization

Services

Worldwide international partner network

Pre-sales assistance with design and installation

After-sales remote assistance and maintenance

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