Digital Recognition

NumberWorks

ANPR Software Engine

The NumberWorks software is a high performance ANPR engine for use in any application scenario.

The NumberWorks engine utilises a unique contour matching algorithm to accurately process raw imagery and turning it into data.

As there are so many varying types of plates worldwide selecting the correct engine to read plates with differing character sizes, plates sizes, fonts and colours is key to any system.

Digital Recognition Systems Ltd has developed an engine to deal with all of these parameters out of the box. The software is capable of reading standard and inverse polarity plates and plates with different character sizes, stacked characters, square and rectangular and a number of different fonts.

This has culminated in a world leading ANPR engine that can also read Arabic and Farsi characters to a very high accuracy. Each character read is assigned a confidence result of accuracy, culminating this and other data including segmentation and spacing enables the PC to display the most accurate result from each read.

Key Features

- Multi Camera Software
- Easy Deployment
- Typical Accuracy of 97%
- Non-Retro reflective and Inverse Polarity Plates
- Arabic and Farsi License Plates
- Square or Rectangular Plates
- Multi Language Interface
- Available with SDK
- GPS Interface
- Date and Time storage
- In Picture Trigger

Applications

- Law Enforcement
- Site Security
- Congestion Charge
- Open Road Tolling
- Traffic Management
- Access Control
- Car Park Management
- Border Control
- Journey Time Analysis

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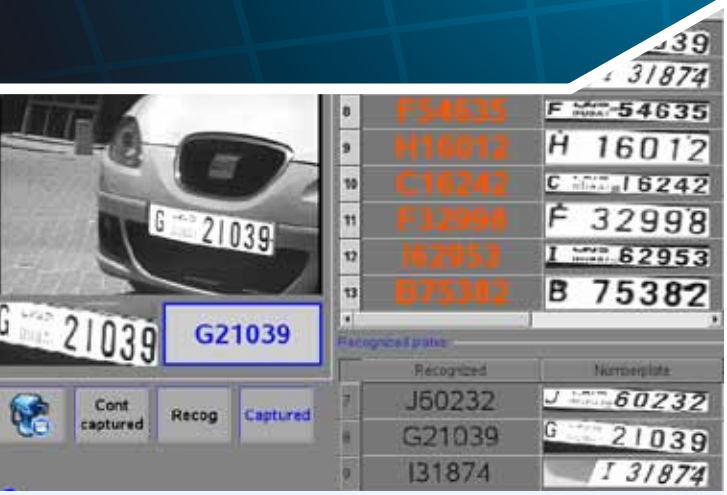

Dubai ANPR

UK ANPR

Malaysian ANPR - Non-Retro reflective

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Specifications

Operating System:
Supports all major operating systems

Trigger:
In Picture trigger for plug and play operation, Optional external trigger.

Accuracy:
Typical 95%, dependent on image quality.

Programming language:
C/ C++

Integration:
C/C++ embedded SDK, Connection over TCP/IP

Licence Plates:
Developed to support wide range of plate formats

Inputs:
All major video and image formats

Outputs:
License plate data, Time, Date, GPS, Lane and System Names, Origin information

Processing Time:
Real-time with multiple camera inputs