Overview

IntelliVision's *License Plate Recognizer™* is a Deep Learning and AI-based license plate detection, recognition and search solution with an accuracy as high as 98%. Vehicle monitoring is a large part of outdoor security and surveillance, and license plate recognition is an integral part of this task. The product works with live cameras and archived video. The following capabilities are provided:

- Detects and recognizes license plates on moving or stationary vehicles

- Supports processing of single frames and video streams

- Compares detected plates against a watch list database and provides real-time alerts on plate matches

- Provides detailed reports

- Handles different plate styles, e.g. regular/stacked

- Supports multiple countries (check for current list)

- Various LPR/ANPR models available: gates, entrance, roadside, traffic lights, parking lots, highway, tollway and mobile/ law enforcement vehicles

Benefits

License Plate Recognizer provides many benefits:

- Detect, recognize and search for license plates in real time or archived footage

- Enables security professionals to shortlist, target and identify "wanted/stolen/suspicious/lost" plates

- Enables automated matching against a watch list with real time alerting

- Allows vehicles to be tracked across multiple cameras or locations

- Records and logs all license plates at a scene for later forensic investigation

- Easy to deploy with a wide variety of cameras

- Improves security, increases productivity and efficiency of security professionals

Features

License Plate Recognizer has powerful and flexible features:

- Input: analog, digital or IP video feeds
- Output: local display on monitor, XML, reports
- Supports D1, HD, Full HD resolutions
- Frame rate: 25-30 FPS (for good tracking). Minimum frame rate: 15 FPS.
- GPU support provided
- Single or two-row license plates supported

- Vehicle speed: Stop/go, or slow/moderate (5-30 mph). Special camera required for high speed.
- Simple on-screen configuration
- Open and process 1-16 cameras in a server/PC
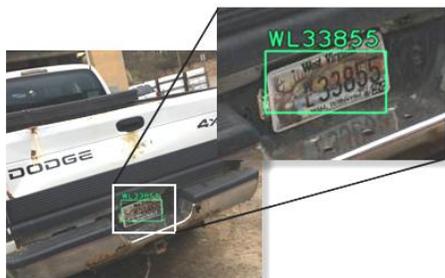
- Basic search to look for plate images by time
- Manual search for a specific license plate
- Watch list ability to automatically search a list
- Data management and recording ability
- Vehicle list, count and reports

Applications

License Plate Recognizer can be used for:

- Enterprise and commercial security

- Urban and public area monitoring

- Law enforcement and transportation

- Airports, ports, maritime and government institutions, critical infrastructure

Platform Specifications

IntelliVision strongly recommends using ANPR/LPR cameras for both day and night. Ordinary color or IR cameras will provide lower accuracy. License Plate Recognizer is available in the following forms:

- SDK for embedding in cameras with video chipsets from Ambarella, Qualcomm, HiSilicon and others

- Software application and SDK running on Intel-based servers

- Cloud-based web services running on public or private cloud

About IntelliVision

IntelliVision is a market leader in AI and Deep Learning-based video analytics and video cloud software for Smart Cameras. IntelliVision solutions provide actionable insights for security and monitoring in Smart Home/Enterprise/City and Retail applications. IntelliVision's Advanced Driver Assistance Systems (ADAS) improve car and road safety in automobiles. IntelliVision is a privately-held company with headquarters in San Jose, California and offices in Asia and Europe.

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