

INTRADA VEHICLE SIGNATURE RECOGNITION (VSR)

- Q-Free vehicle fingerprinting technology
- Automatically identify vehicles not handled by ALPR
- Half you operational cost for handling images
- Extremely reliable, with error rate below 0.001%

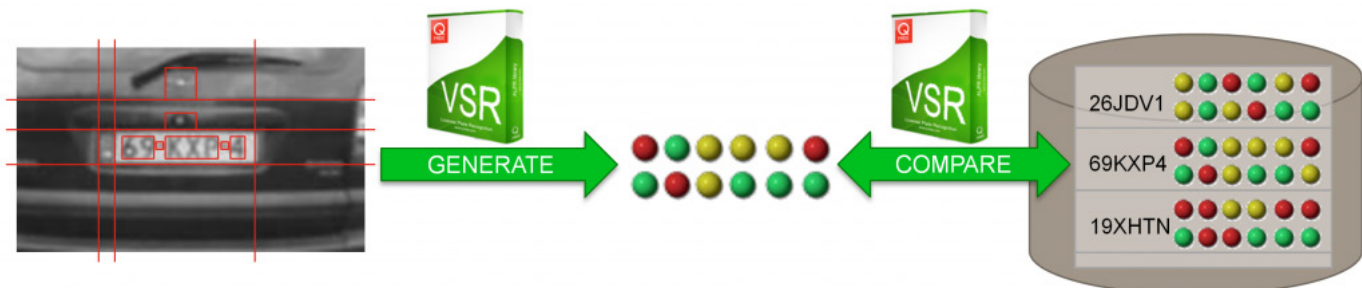


OVERVIEW

As the national and international traffic volumes are increasing, also is the amount of systems controlling these volumes. At the same time, the application domain of video-based identification is widening its scope throughout these systems. Examples in this domain range from video tolling and autonomous speed enforcement to traffic measurements and other ATMS applications. These growing volumes pose an increasing need for higher rate of automation in handling the video. On the one hand, to keep the associated operational cost for manually reviewing under control. On the other hand, to make sure the video subsystem fits well for the purpose.

Q-Free offers a wide variety of solutions and technology that enables customers to optimize the image handling process in terms of automation. The technology encompasses the reliable identification of vehicles in traffic video and is based on our world class imaging software portfolio. With Intrada Vehicle Signature Recognition (VSR) we deliver high performance automatic handling of images through fingerprinting technology. With applications in various tolling and enforcement systems around the globe, Intrada VSR enables its customers to dramatically reduce their operational cost for handling images and realize reliable identification systems based on video technology.





BENEFITS

- Lower operational cost due to higher achievable automation rate.
- References world-wide have shown a 50% further reduction of manual effort and associated cost.
- Extremely reliable, error rates below 0.001%

FEATURES

- Country and state independent
- Identify vehicles, even with partly obscured license plates
- Tiny fingerprint representation and fast pool matching
- Applications in road user charging, section control, travel time analysis and access control.

WORKFLOW

- Handle manually an image rejected by ALPR
- Use Intrada VSR to generate unique fingerprint
- Store fingerprint in pool with corresponding registration number.
- Next time this vehicle passes, look up fingerprint and corresponding registration number in the pool.

MODULES

- The Intrada VSR fingerprint generation module creates a unique fingerprint from a vehicle image.
- The Intrada VSR comparison module reliably determines whether two fingerprints originate from the same vehicle.
- Seamlessly integrates with Q-Free Intrada
- Synergy solution

