Zenith Intelligent Lightbar

INTELLIGENT LAW ENFORCEMENT ON THE MOVE
Zenith is a leading expert in both mobile and static ANPR (Automatic Number Plate Recognition) solutions, providing law enforcement agencies with proven technology for their safe city initiatives. Integrating a range of ANPR and surveillance cameras into a sleek modern design light bar, built to be mounted on any vehicle, the Zenith Intelligent Lightbar provides modern law enforcement agencies with the capability to deploy a full range of intelligent analytics applications, along with local and remote video surveillance capability.

THE SYSTEM INCORPORATES:
- Vehicle-mounted intelligent light bar, incorporating ANPR and Video Surveillance cameras.
- In-vehicle video analysis for Licence Plate Recognition, Vehicle Type identification, and Face Recognition.
- Real-time matching of Licence Plates and Faces against watch list.
- Speed detection of surrounding vehicles.
- GPS information and Time of Capture recording, for evidence and historical search.
- In-vehicle and remote recording and viewing of High Definition video and audio.
- Portable ruggedized touch screen installed in vehicle.
- Centralised management platform for managing large fleets of vehicles.
- Additional analytics capabilities are available.

TYPICAL APPLICATIONS INCLUDE:
- Identification of wanted vehicles on roads and in car parks
- Capturing of vehicle identity during traffic violations or criminal activity.
- Rapid deployment of ANPR, Face Recognition, and Video Surveillance at events or in specific areas.
- Video evidence during patrols and incident management.
MULTI-LANE MOBILE ANPR
Providing highly accurate ANPR recognition for up to 5 lanes in front of and behind the vehicle, while being on the move and stationary.

CAR PARK ANPR
Providing highly accurate ANPR recognition of parked vehicles; enabling the automatic surveying of car parks and the side of roads for vehicles of interest.

360-DEGREE VIDEO SURVEILLANCE
Providing a full 360-degree video surveillance for live in-car and remote viewing, with the ability to record evidence video, the Zenith Intelligent Lightbar is the ultimate solution in vehicle-mounted video surveillance. The system also provides audio recording and transmission as an additional option.

ZENITH COMMAND & CONTROL
Designed to manage a fleet of vehicles across any number of locations, for both system management and security and surveillance, Zenith’s Command and Control platform provides full management of all Intelligent Lightbars in the system.

- Full remote management of live and recorded surveillance videos.
- Bi-directional, real-time updates of all in-vehicle ANPR/ALPR databases and GPS location.
- Automatic notification of in-vehicle operators and central command of any identified vehicles.
- Mapping integration for real-time tracking and review of videos and detected licence plates.
- Full integration between in-vehicle Touch Screen interface, Zenith Command and Control, and law enforcement databases for total data fusion.
- Advanced reporting capabilities.
- Highly scalable – capable of managing hundreds of vehicles simultaneously.

Zenith Intelligent Lightbar is also built to enable integration with other Security and Video Management systems, to ensure full integration of all the systems capabilities with your existing infrastructure.

DATABASE INTEGRATION
Zenith ANPR solution provides full support for SQL database connectivity. Licence plates and associated metadata, such as GPS coordinates, can easily be added to the existing internal or external SQL database to enable automatic cross-referencing; delivering instant plate matching across your information infrastructure.

Zenith has extensive experience in system integration and can work with you to extend the application of your ANPR system across all facets of your organisation and systems.

ADDITIONAL ANALYTICS
Additional intelligent features are available to law enforcement agencies. Information can be provided upon request.
Founded in Melbourne, Australia and with a dual focus on Australasia and the Middle East region, Zenith works with governments, law enforcement agencies and private clients to integrate their security and Big Data requirements into meaningful solutions to enable advanced situational awareness, management, and response capability.