

**aselsan**

# VEHICLE & NUMBER PLATE RECOGNITION SYSTEM





# VEHICLE & NUMBER PLATE RECOGNITION SYSTEM

Aselsan Vehicle & Number Plate Recognition System (AVGNPR) has been developed as a homeland security application to assist police and security forces in identifying and tracking vehicle features.

## Features

- High day and night time number plate recognition rates under all traffic conditions,
- Capturing images of all vehicles regardless of missing or illegible number plates,
- Day and night time vehicle brand and model recognition,
- Color detection during day time and at night with special illumination,
- Section speed control with multiple gantries,
- Integration with national security & police agency database.

## Optional Features

- Traffic speed radar integration,
- Vehicle height measurement,
- Vehicle classification,
- Travel time measurement,
- Traffic density measurement.

## Performance

- Number Plate recognition:
  - Day time : > 95%
  - Night time : 90%
- Vehicle brand & model recognition:
  - Day time : > 85%
  - Night time : > 75%
- Color detection:
  - Day time : > 80%

## Architecture

Client-Server architecture provides for centralized management and access to system capabilities from remote sites.

