

Automatic Number Plate Recognition (ANPR) technology has far-reaching implications beyond just monitoring the roads. The software has two defining features; automation providing automatic barrier opening and other access control functions plus enhanced security ensuring that authorized vehicles enter secure areas making it an indispensable tool for a wide range of industries.

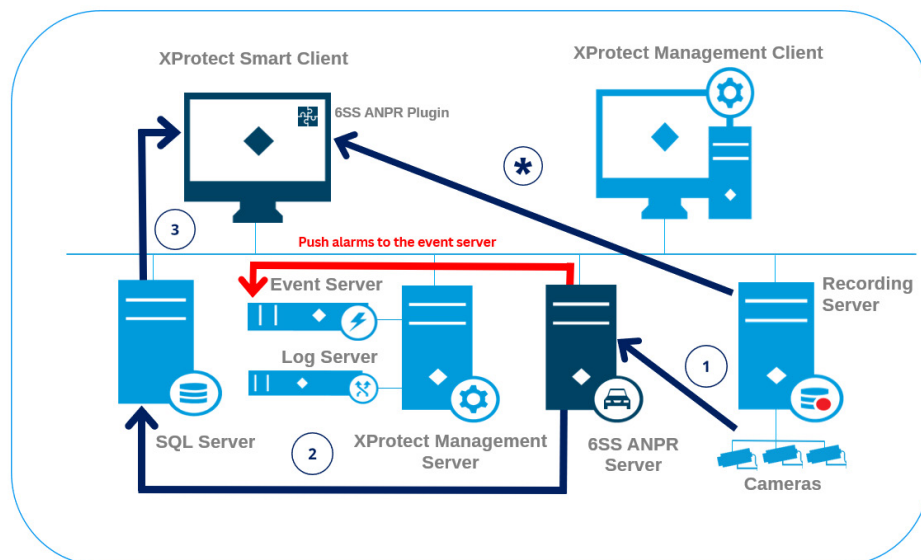
The 6SS ANPR® software offers efficient and effective solutions to problems related to parking, security, retail, and more. Its user-friendly management features and reporting capabilities allow for the customization of actions for when a license plate from the database is recognized. For instance, the system can be programmed to open a barrier, alter a traffic light, send an email notification, or display a pop-up on a screen upon the recognition of a particular number plate.

By automating routine tasks using ANPR technology strengthens security measures by allowing security personnel to concentrate on more human orientated tasks.

Data Flow

1. CCTV Cameras send RTSP streams to 6SS ANPR® Server. The Cameras should support RTSP Protocol
2. 6SS ANPR® Server software performs the license plate recognition. The results from the 6SS ANPR® Server are stored in the SQL database.
3. The Smart Client retrieves data from the SQL database via the 6SS ANPR® plugin and handles the alarms triggered when a number plate is matched with a Blacklisted vehicle or a Whitelisted vehicle on the Event Server and displays it to the user, along with the corresponding video playback.

- *The Recording Server maintains a direct connection with the Smart Client for any Video inquiries.
- *Alarm generated from 6SS services to the event server.



Functionality

6SS ANPR® server is an AI-driven video analysis application using computer vision to identify vehicles and objects through existing IP cameras. The software processes RTSP streams from cameras to analyze license plates and classify vehicles, sending alerts if a blacklisted vehicle is detected. It includes the Human/Vehicle Detection module, which enables real-time detection, classification, and movement tracking of people and vehicles. Integrated with the XProtect Plus suite, the solution provides detailed metadata and alerts related to detected vehicles and objects, enhancing security and intelligence capabilities.

Main Benefits

- Cost effective.
- User and configuration friendly.
- High processing speed.
- Automation of Number Plate Recognition.
- Reduced human error and manual data entry.
- High accuracy and recognition rates.
- Enhanced security and safety.
- Multiple applications and use cases.
- Automatic matches to the watch list.
- Smart Client Centralized monitoring.
- Country Independent with pack installed.
- Customized features upon request.

6SS ANPR® Features

- Uses RTSP Protocol.
- A Full Image of the license plate and Thumbnail display.
- Blacklist and Whitelist alarming capability.
- Detect reflective, non-reflective, personalized, and special interest plates.
- Can handle distorted plate images.
- Generate daily, monthly reports and dashboards with customizable tailored statistics and dashboards.
- Integrated with maps and alarms.
- One-click data export in Excel and PDF format.
- Flexible filtering functionality.
- Support Microsoft SQL Express, Standard, and Enterprise editions.
- Automatic data retention period handling.
- Seamlessly integrated with all Milestone XProtect versions.
- SQL Retention Period.
- ANPR detection system reliably captures and recognizes license plates at vehicle speeds up to 150-180km/h, depends on the field of view, illumination, exposure...

Additional Features

- Movement direction estimation.
- Preventing cheating with replaced license plates
- Reliable Detection
- Traffic data processing
- Type Details (Pedestrians, Car, Bus, Truck and Bike)
- Vehicle Color estimation
- Vehicle Counting
- Vehicle make and model estimation

Applications



Business Value

6SS ANPR® offers significant business value by automating the tracking and management of billions of vehicles on roads worldwide, which is becoming increasingly challenging as the number grows. The solution can be applied to a range of industries and use cases, including traffic management, security, and access control. With ANPR, manual entry and associated errors are reduced, leading to increased security, revenue, and benefits, and reduced labor costs. Utilizing ANPR technology can streamline operations and drive efficiency for businesses in need of license plate recognition.