

## Automatic vehicle category classification

ANPR Hub is automatically able to detect and recognize the vehicle category like truck, bus, private car and motorcycle based on the captured photo.



Big truck



Small truck



Small truck



Private car



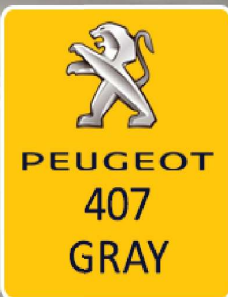
Bus



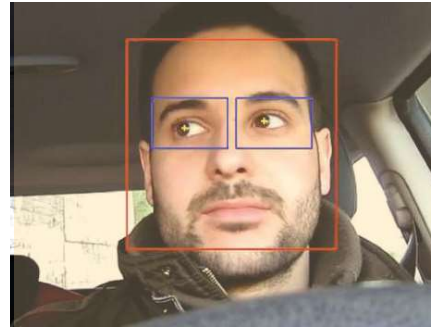
Motorcycl

## Automatic recognition for Model, Brand and Color

Car Model supported > 1200  
 Card brand supported > 100  
 Supported colors 10  
 Accuracy UP TO 96%



## DriverFace capture and recognition



ANPR Hub is fully integrated with the CCTV camera for driver facial recognition. our software capture and detect the face that is in the vehicle and then links to the car plate number.

## Access Control by ANPR Hub

- Memberships Groups
- Access Levels, Access schedule by days/hours
- Activation date, expire date
- Tariffs for subscriptions and memberships use
- Vehicle information
- Driver information
- Alarms and notifications by SMS, e-mail and software pop-up.

## License plate state detector

### ANPR Identification



| Plate    | Color        | Model      | Brand    | Year | Status     |
|----------|--------------|------------|----------|------|------------|
| 12345678 | Red          | Peugeot    | 407      | 2007 | Allowed    |
| 87654321 | Blue         | Ford       | Fiesta   | 2008 | Unpaid     |
| 98765432 | Green        | Vauxhall   | Astra    | 2009 | Blacklist  |
| 10987654 | Yellow       | Renault    | Clio     | 2010 | White list |
| 21098765 | Purple       | Nissan     | Qashqai  | 2011 | Stolen     |
| 32109876 | Orange       | BMW        | 1 Series | 2012 | Allowed    |
| 43210987 | Pink         | Audi       | A3       | 2013 | Unpaid     |
| 54321098 | Light Blue   | Mercedes   | A-Class  | 2014 | Blacklist  |
| 65432109 | Light Green  | Volkswagen | Polo     | 2015 | White list |
| 76543210 | Light Orange | Skoda      | Fabia    | 2016 | Stolen     |
| 87654321 | Light Purple | Suzuki     | Swift    | 2017 | Allowed    |
| 98765432 | Light Yellow | Hyundai    | Ioniq    | 2018 | Unpaid     |
| 09876543 | Light Blue   | Kia        | Niro     | 2019 | Blacklist  |
| 10987654 | Light Green  | Toyota     | Yaris    | 2020 | White list |



## System requirements

- Hardware** : Core i5 or faster processor, 8 GB RAM, Hard disk 500 GB (SSD Is recommended), Network connectivity
- OS** : Win10 64-bit or higher
- Databases** : Microsoft SQL SERVER Express 2016 r2 or higher



# ANPR HUB

More than just ANPR

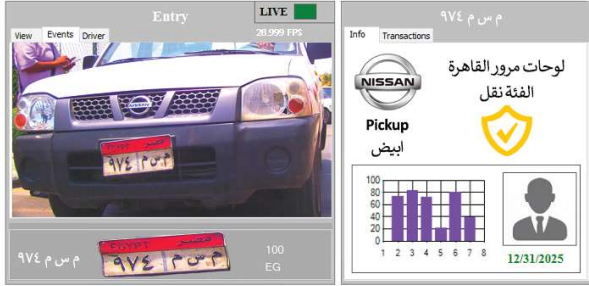


info@goldendevolver.net  
 www.goldendevolver.net

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# ANPR HUB

Vehicle license plate number, make, model, color and type recognition for access control and traffic management



ANPR Hub works mainly with the Arabic characters and digits for the old and new versions of the Egyptian car plates.

ANPR Hub is trained with >500k captured images allowing the recognition of the Arabic plate numbers with high accuracy up to 98% even in the most difficult environment like in the dark night and sunlight.

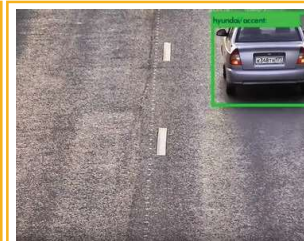
The Engine is developed inhouse to provide the advantage of learning with any new car plates in some days.

We are aware about the importance of LPR Camera and how it plays a big factor in the LPR result; and so we offer a complete solution including the LPR camera.



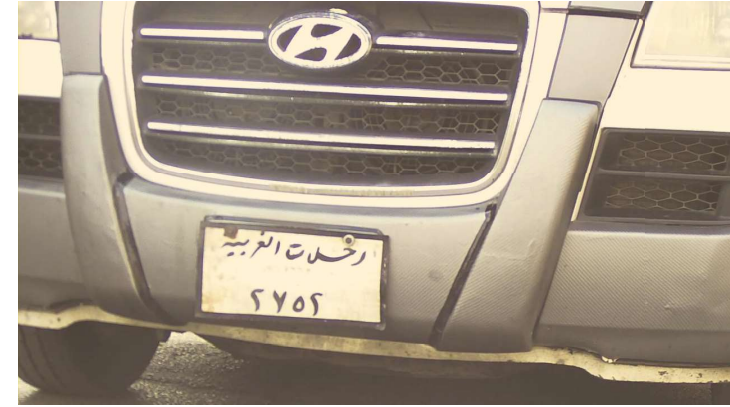
## ANPR Hub Specifications

- 1 Accuracy up to 98%
- 2 Reading Arabic Car Plate Numbers
- 3 Life time license
- 4 Open the gate using the car plate number
- 5 Recognition speed up to 1200 car plates per minuet
- 6 Automatic Vehicle Classification Model, Brand and Color
- 7 Real-time license plate recognition from video feed
- 8 Fully integrated with Access Control
- 9 Vehicle Counter
- 10 Visitors Invitations
- 11 Driver Face capture
- 12 Face recognition authentication
- 13 Support up to 1024 multiple lanes
- 14 Reporting module supports hundreds of search factors
- 15 Graphs and flowchart
- 16 Hub ANPR support Hardware & Software trigger
- 17 Mobile/Web Application
- 18 SQL Server Database
- 19 SDK & API
- 20 Standalone & Cloud



## Recognizethe handwrite and old plates

ANPR Hub able to classify the Egyptian plate number type in automatic way based on the plate number color, the system can recognize 7 plate colors.



## Automatic plate number classification

ANPR Hub is able to recognize in efficient and accurate way the plate numbers which are written in handwriting and also the classic plate numbers.

|                            |                       |                              |
|----------------------------|-----------------------|------------------------------|
| EGYPT مصر<br>سيارات الأجرة | EGYPT مصر<br>تجارية   | EGYPT مصر<br>هينة دبلوماسية  |
| EGYPT مصر<br>سيارات الشرطة | EGYPT مصر<br>الجمركية | EGYPT مصر<br>النقل والجرارات |
| EGYPT مصر<br>الملكي        |                       |                              |