Completely New Generation

Ekin PATROL G2

The First and Only Mobile Smart Patrol of the World

Ekin
SAFE CITY TECHNOLOGIES

Leader in Safe City Technologies

The first and only mobile smart patrol of the world is re-engineered with its new technology and elegant design.

Multiple international award winner Ekin Patrol G2 is a high-tech, mobile enforcement product that performs number plate recognition, face recognition, speed and parking violation detection on the move. Being designed as a light bar and suitable for vehicles such as police cars or fire engines, Ekin Patrol G2 is aimed to enhance a high level of city safety.

What is new at Ekin PATROL G2?

- Up to 7 lanes number plate recognition and speed enforcement
- Up to 360 degrees surveillance and number plate recognition
- Advanced parking management with enhanced viewing angle
- Optional illumination feature for the vehicles around
- Temperature and humidity sensor integration
- Optional rear speed enforcement
- Optional rear number plate recognition (especially for the states that only have front number plate in the vehicle)
- Optional body worn camera, gunshot, and air pollution sensor integration

Why Ekin Patrol G2?

As a mobile system, provides 100% coverage at the locations not covered by fixed systems

Ekin Patrol G2 can be used at any required location as an economical mobile alternative to infrastructure investment in fixed surveillance units. Having the broader angle of operation, it is able to detect every number plate in up to 5 lanes.

Turns regular police vehicles into smart patrol vehicles with its plug & play design

Ekin Patrol G2, as the first and only compact smart patrol unit in the world, is compatible with any vehicles. There is no requirement of any further component to be installed inside the vehicle or the luggage compartment.

Records even unnoticed actions with 360 degrees surveillance

The major disadvantage of fixed surveillance systems is the missing flexibility and limited viewing angle. Having integrated more cameras on all four sides, Ekin Patrol G2 provides a 360-degree view angle.

Communicates with other systems and generates instant alarms

Ekin Patrol G2 detects vehicles that are on the blacklist by their number plates and generates an audial or visual alarm on its tablet application. It can communicate with all other Ekin solutions using the appropriate communication infrastructure and can be directed to the incident scenes immediately.

Centrally managed by Ekin Red Eagle OS

Ekin Red Eagle OS operates all Ekin Patrols and other traffic systems in the city from a single point and ensures the actions to be taken on time.

FUNCTIONS

Number Plate Recognition

- Recognition of every number plate in the field of view with its video based number plate recognition technology
- 360 degrees automatic number plate recognition simultaneously for incoming, outgoing or parked vehicles
- Identification of wanted or stolen vehicles over a specific database

Speed Detection

- Automatic speed measurement for all the vehicles in the field of view
- Optional rear speed enforcement
- Different speed limit adjustment for each lane
- Automatic official fine or report issuing containing required violation information

Parking Enforcement

- Advanced parking management even in narrow parking spaces
- Detection of vehicles exceeding the parking time in the defined parking zone
- Automatic official fine or report issuing containing required violation information

Face Recognition

- Detection and analysis of faces in the field of view and recognition over digital matching
- Real-time identity check over a specific database

Video Surveillance

- 360 degrees surveillance and video recording
- Day and night high definition video recording in adverse weather conditions
- Non-stop recording of surroundings with four sides surveillance cameras

TECHNICAL FEATURES

DETECTION

Speed Range	320 kph / 200 mph relative speed
Coverage	Up to 7 lanes
Number of Simultaneously Detected Vehicles	Over 100 vehicles
Direction of View	360 Degrees

ILLUMINATION

IR Spot	√
Day and Night Number Plate Detection	√

SYSTEM SOFTWARE

Automatic Number Plate Recognition	24/7 for all the vehicles in the field of view
Web Service	√
Protocol	TCP/IP, UDP, NTP, FTP, RAW
Various Database Support	SQL/NoSQL
Alarm Management	√
Remote Secure Installation and Access	√
Violation Photo and Video Evidence	√
24/7 Surveillance Record	√
Watermark	Applied on all photos and videos
Media Local Storage	Up to 2 TB
Vehicle Color, Brand, Type and Model Detection	Optional
Communication with Other Safe City Solutions via Ekin Red Eagle OS	√

CENTRAL SOFTWARE

Various Database Support	SQL/NoSQL
Integration	3rd party database and software or national inquiry services integration
Graded Authorization	Admin, Supervisor, Users
Customizable Fine Printing	√
SMS and Mail Support	√
Automatic Update	√
Log Record	√

ELECTRICAL FEATURES

Connection Interfaces	Ethernet
Voltage	12 V DC
Power Consumption	Varies depending on configuration

ENVIROMENTAL FEATURES

Dimensions (w x l x h)	434 x 1177 x 152,5 mm
Operating Temperature	-25 °C + 60 °C
Humidity Rate	%95 non-condensing
IP Class	IP-65

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Mobile Products

- Ekin Patrol G2
- Ekin Bike Patrol
- Ekin Micro Spotter
- Ekin Discreet Patrol
- Ekin In-Car Patrol

Fixed Products

- Ekin Spotter
- Ekin Box Spotter

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