



Ekin PATROL G2

As the first and pioneer of a new category in its class, Ekin presents the Patrol G2, a mobile ANPR and speed enforcement light bar with cutting-edge technology and an elegant design.

The Ekin Patrol G2 is a high-tech, mobile enforcement product that performs number plate recognition, speed enforcement, and parking management while on the move.

Offering a top-of-the-line design and the first smart light bar in the industry, it is suitable for all law enforcement vehicles. Ekin Patrol G2 is the leader in mobile solutions for law enforcement.





What is new at Ekin PATROL G2?

- Up to 7 lanes number plate recognition and speed enforcement
- 360 degree surveillance
- Advanced parking management with enhanced viewing angle
- Optional white spotlight feature
- Optional rear speed enforcement
- Optional 360 degree ANPR
- Temperature and humidity sensor integration

Why Ekin Patrol G2?

Limitless mobility with 100% coverage in its field of view

Ekin Patrol G2 can be used at any location as an economical and mobile alternative to infrastructure investment in fixed surveillance units. Offering a broader angle of detection, it can accurately capture every number plate up to 7 lanes.

Turns regular vehicles into smart patrol vehicles with its Plug & Play design

Ekin Patrol G2 is the first compact smart patrol unit in the world with multiple vehicle compatibility. The plug & play design exclusive to Ekin does not require any additional components in the interior or luggage compartment of the vehicle.

Captures images using a 360-degree angle

The major disadvantage of fixed surveillance systems is the lack of flexibility and limited viewing angle. The integrated cameras on all four sides of the Ekin Patrol G2 provide a 360-degree view angle, eliminating blind spots.

Instant alerts generated with an intercommunication system

The number plate recognition system can detect blacklisted vehicles from any law enforcement database and generate an audio or visual alert on its tablet application. The proprietary software allows connectivity throughout all Ekin solutions with the ability to create alarms systemwide directing law enforcement to points of interest.

Centrally managed by Ekin Red Eagle OS

The Red Eagle OS operates the entire traffic systems of a city from one central back-office including Ekin Patrol and other Ekin devices. Working simultaneously and in real-time to generate alarms and guarantee an effective response time.





IP 66



E9

ECE R65



J845



MILITARY
STANDARD

US MIL-STD-810G*



D11:2013



Part 15 Subpart B

FUNCTIONS

Number Plate Recognition

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

Speed Enforcement

- ! Automatic speed detection range for all the vehicles in the field of view
- ! Optional rear speed enforcement
- ! Different speed limit adjustments for each lane
- ! Automatic fine issuance and reporting including all infraction information

Parking Management

- ! Advanced parking management including in angled and parallel parking spaces
- ! Detection of vehicles exceeding the parking time in a defined parking zone
- ! Generates instant citations and reports containing required evidence and violation information

Video Surveillance

- ! 360 degrees surveillance and video recording
- ! Day and night high-definition video recording including adverse weather conditions
- ! Continuous recording of surroundings with four-sided surveillance cameras

TECHNICAL FEATURES

DETECTION

Speed Range	Up to 250 km/h
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	✓
Flash Unit	✓

SYSTEM SOFTWARE

Automatic Number Plate Recognition	24/7 for all the vehicles in its 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 to all photos and videos
Storage Capacity	Up to 32 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	3 rd 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, LTE
Required Power Supply	12 VDC / 360 Watt
Power Consumption	Average 110 Watt/Hour

ENVIROMENTAL FEATURES

Operating Temperature	-25°C +60°C
Storage Temperature	-40°C +85°C
Humidity Rate	95% non-condensing
IP Class	IP66

PRODUCT DIMENSIONS

Dimensions (Width × Length × Height)	435 mm × 1177 mm × 156 mm
Weight	25.4 kg without brackets



Smart City Solutions

Mobile Products

Ekin Patrol G2

Ekin Micro Patrol

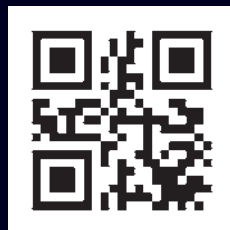
Ekin X Spotter Mobile

Fixed Products

Ekin Spotter

Ekin Box Spotter

Ekin X Spotter



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