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.

Ekin

Leader in Smart City Innovations

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.

GERMAN INNOVATION AWARD '20 WINNER

TÜBİTAK TTGV TÜSİAD
TECHNOLOGY AWARDS

THE GOLDEN BRIDGE AWARDS
BEST 2017

GERMAN DESIGN AWARD SPECIAL 2017

CES INNOVATION AWARDS 2017 HONOREE

EUROPEAN PRODUCT DESIGN AWARD

A'DESIGN AWARD WINNER 2015 SILVER

Best in Biz AWARDS

2015 BRONZE STEVIE WINNER

WORLD TECHNOLOGY AWARD NEW YORK FINALIST 2014

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 mobile alternative to infrastructure investment in fixed surveillance units. Offering a broader angle of detection, it can accurately capture every number plate in 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 in the world with multiple vehicle compatibility. The plug and play design exclusive to Ekin does not require any additional components in the interior or luggage compartment of the vehicle.

Capture images using a 360-degree angle

The major disadvantage of fixed surveillance systems is the missing 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 Maestro

The Ekin Maestro 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 generates alarms and guarantee an effective response time.

IP 66

ECE R65

E9

SAE INTERNATIONAL®
J845

MILITARY STANDARD
US MIL-STD-810G*

OIML
D11:2013

FC
FEDERAL COMMUNICATIONS COMMISSION USA
Part 15 Subpart B

FUNCTIONS

[XY 38 Z]   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 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
Storage Capacity	Up to 32 TB
Vehicle Color, Brand, Type and Model Detection	Optional
Communication with Other Smart City Solutions via Ekin Maestro 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, LTE
Required Power Supply	12 VDC/360 Watt
Power Consumption	Average 110 Watt/Hour

ENVIRONMENTAL 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

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Fixed Products	Mobile Products
Ekin Spotter	Ekin Patrol G2
Ekin Box Spotter	Ekin Micro Patrol
Ekin X Spotter	Ekin X Spotter Mobile

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