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Ekin BOX SPOTTER

Portable Number Plate
Recognition and Speed
Enforcement System

Ekin

Leader in Smart City Innovations



Ekin Box Spotter automatically detects speed and number plates of vehicles in its field of view via high-resolution video-based number plate recognition technology. Its multi-solution system is designed to help traffic agencies, governments and law enforcement maximize traffic and city safety around the world.



Why Ekin Box Spotter?

Provides versatile application range with its compact design

The leading-edge technology and compact design of the Ekin Box Spotter can be used as a fixed or portable solution. The versatile application allows for multiple solutions that can be mounted to a pole or used on a tripod to provide instant data monitoring and surveillance at specific locations.

High-Resolution Videos

The Box Spotter offers high-resolution video capturing number plates and speed violations in a wider field of view while maintaining maximum focus and sharpness.

24/7 Surveillance and Traffic Control

Ekin's video-based number plate recognition technology can capture the violation moment as well as the entire traffic flow which offers a distinct benefit compared to conventional photograph-based systems.

Internationally Applicable

The Ekin Box Spotter recognizes number plates from Europe, the Americas and the Middle East with high accuracy including the ability to identify the vehicles corresponding country information.

Central Management by Ekin Maestro OS

Ekin's Maestro OS operates the complete traffic systems of a city from one central back-office including Box Spotter and other Ekin mobile and fixed devices. Working simultaneously and in real-time to compare databases, it generates alerts to assure an effective response time from law enforcement officials.





ECE R65



J845



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
- Automatic number plate recognition simultaneously for incoming, outgoing or parked vehicles
- Identification of wanted or stolen vehicles within a specific database



Speed Enforcement

- Automatic speed detection range for all the vehicles in its field of view
- Individual Speed Limit regulated per lane
- Automatic official fine or report issuing containing required violation information



Parking Enforcement

- Detection of vehicles exceeding the parking time in a defined parking area
- Generates automatic citation or report containing required violation information



Video Surveillance

- 24/7 surveillance and video recording
- Day and night high-definition video recording in adverse weather conditions

APPLICATION AREAS



Police & Security Forces



Airports



Shopping Malls



Residences



Campuses



Hospitals

TECHNICAL FEATURES

DETECTION

Speed Range	Up to 320 Km/h
Coverage	6 lanes including approaching and departing vehicles
Number of Simultaneously Detected Vehicles	Over 100 vehicles

ILLUMINATION

IR Spot	✓
Day and Night Number Plate Detection	✓
Flash	Optional

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 8 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
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/40 Watt
Power Consumption	<40 Watt/Hour

ENVIRONMENTAL FEATURES

Operating Temperature	-25°C +60°C
Storage Temperature	-25°C +70°C
Humidity Rate	95% non-condensing

PRODUCT DIMENSIONS

Dimensions (Width × Length × Height)	331 mm × 421 mm × 132 mm
Weight	9.5 kg



Leader in Smart City Innovations

Fixed Products

Ekin Spotter

Ekin Box Spotter

Ekin X Spotter

Mobile Products

Ekin Patrol G2

Ekin Micro Patrol

Ekin X Spotter Mobile

[Ekin.com](https://www.ekin.com)

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