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# Ekin Box Spotter

Portable Number Plate  
Recognition and Speed  
Enforcement System

**Ekin**  
SMART CITY SOLUTIONS

Smart City Solutions



The **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 Red Eagle OS

Ekin's Red Eagle 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.



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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 Detection

- 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 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 Safe City Solutions via Ekin Red Eagle 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

## ENVIROMENTAL FEATURES

Operating Temperature	-25°C +60°C
Storage Temperature	-25°C +70°C
Humidity Rate	80-95% non-condensing

## PRODUCT DIMENSIONS

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



Smart City Solutions

## Mobile Products

Ekin Patrol G2

Ekin Micro Patrol

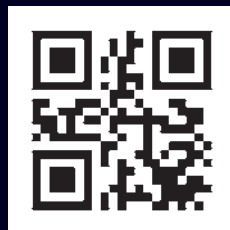
Ekin X Spotter Mobile

## Fixed Products

Ekin Spotter

Ekin Box Spotter

Ekin X Spotter



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

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