



Completely  
New  
Generation

# Ekin MICRO SPOTTER

## Mobile Number Plate Recognition System

**Ekin**  
SMART CITY SOLUTIONS

Next Generation Smart City Solutions



A photograph of a security booth at a parking entrance. The booth is a small, grey, rectangular structure with large windows. A yellow and black striped barrier is positioned in front of the booth. In the background, there are green trees and a blue parking sign with a white 'P' and a car icon. The sky is blue with some clouds. A dark blue banner with white and red text is overlaid on the bottom half of the image.

Ekin Micro Spotter automatically detects the number plates of the vehicles in its field of view in mobile or stable position via high-resolution video-based number plate recognition technology and ensures continuous traffic safety.

# Why Ekin Micro Spotter?

## Provides versatile application range with its micro-sized compact design.

Having the smallest dimensions of its kind and enabling practical use in line with its design, Ekin Micro Spotter has ability to be used as mobile or stable positions, mounted to the pole, on tripod, vehicle's hood, vehicle's roof top or any desired points on the vehicle.

## Records high-resolution videos.

With its high-resolution cameras, Ekin Micro Spotter records all the number plates in wider areas without losing any focus and sharpness.

## Ensures 24/7 surveillance and traffic control.

Ekin's video based number plate recognition technology records not only the violation moment but the entire traffic flow distinctively from conventional photograph based systems.

## Supports international use.

Ekin Micro Spotter recognizes European, American and Middle Eastern number plates with the high accuracy and identifies the country information that number plates belong to.

## Centrally managed by Ekin Red Eagle OS.

Ekin Red Eagle OS operates all the traffic systems in the city including Ekin Micro Spotter 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
- Automatic number plate recognition simultaneously for incoming, outgoing or parked vehicles
- Identification of wanted or stolen vehicles over a specific database

## Parking Enforcement

- Detection of vehicles exceeding the parking time in the defined parking zone
- Automatic official fine or report issuing 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

■ Coverage	Up to 3 lanes
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## 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 0,5 TB
■ Vehicle Color, Brand, Type and Model Recognition	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, Wifi, 3G, LTE
■ Required Power Supply	12 DC min/210Watt
■ Power Consumption	Average 35 Watt/Hour

## ENVIROMENTAL FEATURES

■ Dimensions (w × l × h)	176,5 × 220 × 94 mm
■ Operating Temperature	-25°C + 55°C
■ Humidity Rate	%95 non-condensing



Next Generation Smart City Solutions

## Mobile Products

Ekin Patrol G2

Ekin Bike Patrol

Ekin Micro Spotter

Ekin Phantom

Ekin In-Car Patrol

## Fixed Products

Ekin Spotter

Ekin Box Spotter

Ekin Micro Spotter

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

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