



# Ekin X SPOTTER MOBILE

Mobile ANPR, Speed and Traffic  
Violation Recognition System

**Ekin**  
SMART CITY SOLUTIONS

Smart City Solutions

**Ekin X Spotter Mobile** is a mobile AI-based traffic enforcement system that performs automatic number plate recognition, speed, and violation detection of the vehicles in its field of view. Equipped with a 4K Super High Resolution sensor and video-based number plate recognition technology, its able to perform continuous traffic monitoring while on the move.



# Why Ekin X Spotter Mobile?

## Self-Contained Design

Offering a compact design, the X Spotter Mobile can be effortlessly mounted onto any type of vehicle as a mobile plug-and-play solution. Its versatility provides the option to be fastened on a car hood with magnetic mounting equipment or to the dashboard. Built-in and ready to use GPS, LTE, Wi-Fi, ethernet support, providing versatile application and range.

## Mobile Surveillance

Provides extensive surveillance of a range of 3 lanes on the move. Its mobility provides extended coverage and various usage options for traffic authorities and law enforcement.

## High-Resolution Videos

Equipped with a 4K Super High Resolution sensor, Ekin X Spotter Mobile ensures high-resolution video and ANPR. Able to capture images and videos 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 when compared to conventional photograph-based systems.

## Internationally Applicable

Ekin X Spotter Mobile recognizes number plates from multiple regions including Europe, North America, Latin America, Asia, and the Middle East with high accuracy identification.

## Central Management by Ekin Red Eagle OS

The Ekin Red Eagle OS runs the entire traffic systems of a city from one central back-office including Ekin X Spotter Mobile and other Ekin devices. Working simultaneously and in real-time to compare databases, it generates alarms to assure an effective response time from law enforcement officials.





# FUNCTIONS

\* More than one device is needed for all functions



## Smart Traffic Analytics

- ! Analysis of rush hour congestion for specified points of interest, flow of cars passing toll points including delays and hotspots of traffic congestion by date and time
- ! Congestion time monitoring



## Number Plate Recognition

- ! Ability to capture every number plate in its field of view with its video-based number plate recognition system
- ! Advance technology for up to 3 lanes
- ! Simultaneous automatic number plate recognition for approaching, departing and parked vehicles
- ! Identification of wanted or stolen vehicles within a specific database



## Speed Detection

\* Optional

- ! Automatic speed detection range for all the vehicles in its field of view
- ! Automatic fine issuance and reporting including all infraction information



## Video Surveillance

- ! 24/7 surveillance and video recording
- ! Day and night 4K video recording, even in adverse weather conditions

# ON-BOARD INTELLIGENCE



Fully Automated NPR



Speed Detection





Traffic Density Analytics



Lane, Turn, Wrong Way Violations



Vehicle Detection

# TECHNICAL FEATURES

## DETECTION

Mobile Application Speed Detection Range*	Up to 300 km/h
Coverage	3 lanes including approaching and departing vehicles
Number of Simultaneously Detected Vehicles	Over 100 vehicles

\*Long Range Mode

## 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
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	-40°C +60°C
Storage Temperature	-40°C +85°C
Humidity Rate	80-95% non-condensing
Protection Class	IP67
Impact Protection Class	IK10

#### PRODUCT DIMENSIONS

Dimensions (Width × Length × Height)	213 mm × 150 mm × 122 mm
Weight	3.5 kg



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## Mobile Products

Ekin Patrol G2

Ekin Micro Patrol

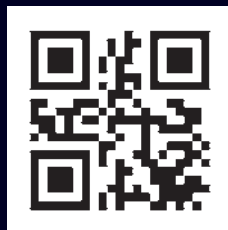
Ekin X Spotter Mobile

## Fixed Products

Ekin Spotter

Ekin Box Spotter

Ekin X Spotter



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

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