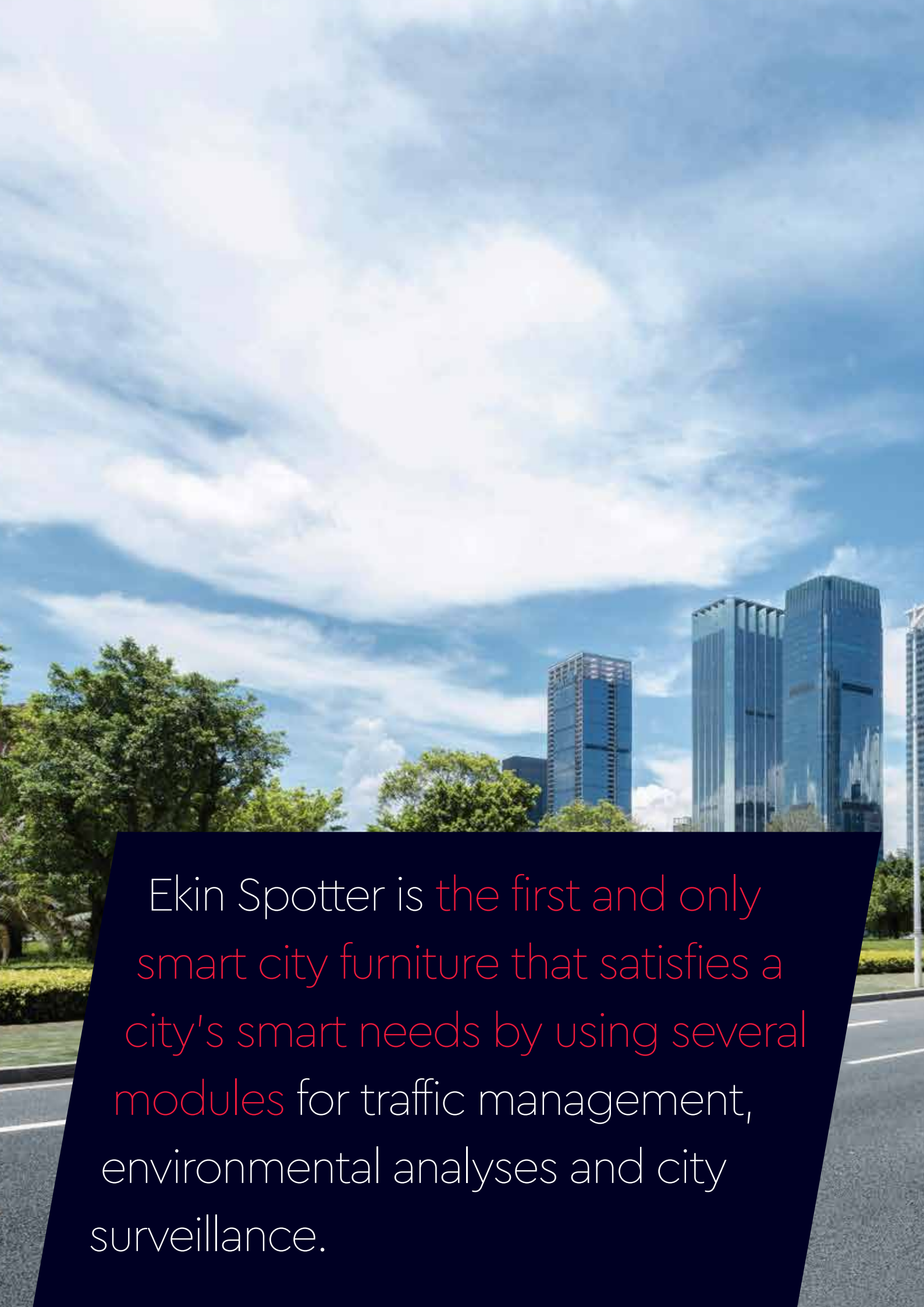




Ekin SPOTTER
The First and Only
Entirely Modular
Smart City Furniture



Leader in Safe City Technologies



Ekin Spotter is the first and only smart city furniture that satisfies a city's smart needs by using several modules for traffic management, environmental analyses and city surveillance.



Why Ekin Spotter?

Easily Adoptable for Smart City

With its entirely modular design, Ekin Spotter is the first and only smart city furniture which is capable of different functions with different modifiable modules. Allowing these modules to be added or removed easily, Ekin Spotter can be adapted responsive to several needs in the different locations without any infrastructural costs and enables smart cities with several functions.

All Compact Design

Although having the slimmest design among its kind of traffic enforcement products in the market, Ekin Spotter includes all the hardware needed for the best result such as cameras, sensors, powering system inside. There is no need for any external hardware support.

Day & Night First Class Surveillance

With its super high resolution cameras, Ekin Spotter surveils large areas and records videos at the best resolution. It also continues to surveil in during the night with its own illumination without losing any sharpness and focus.

Centrally Managed By Ekin Red Eagle OS

Ekin Red Eagle OS operates all the traffic systems in the city including Ekin Spotter from a single point and ensures actions to be taken on time.

System Care for Environmental Changes

Ekin Spotter inspects environmental circumstances and its own performance by using its sensor. So that it informs the central system if there is an unnatural condition which effects its performance such as increasing temperature, humidity, tampering or attempting a door opening action and precautions can 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

Speed Detection

- Automatic speed measurement for all the vehicles in the field of view
- Different speed limit adjustment for each lane
- Automatic official fine or report issuing containing required violation information

Parking Management

- 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

Red Light Enforcement

- High resolution videos and images of all vehicles violating red light
- Automatic official fine or report issuing containing required violation information
- No cable connection needed. Using Video analysis technology for detecting redlight status.

Advanced Traffic Management

- Tailgating detection
- Bus/truck lane violation detection
- Low speed violation detection
- Emergency lane violation detection
- Lane violation detection for different vehicle classes
- Wrong way driving vehicle detection
- Object detection on the road for parked vehicle or pedestrians
- Accident detection
- Hard brake detection
- Average speed enforcement between Ekin Spotter and any mobile system

TECHNICAL FEATURES

DETECTION

Speed Range	5-320 kph / 3-200 mph
Coverage	4 lanes including approaching and departing vehicles (expandable up to 8 lanes)
Number of Simultaneously Detected Vehicles	Over 100 vehicles
Red Light Enforcement	No cable connection needed. Using Video analysis technology for detecting redlight status.

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
Advanced Traffic Management	Optional
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 2 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
Voltage	12 V DC
Power Consumption	Varies depending on configuration

ENVIROMENTAL FEATURES

Dimensions	Varies depending on selected modules
Operating Temperature	-25 °C + 60 °C
Humidity Rate	%95 non-condensing
IP Class	IP-65

CAMERA RESOLUTION

60FPS @ 5MP	✓
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Mobile Products

Ekin Patrol G2

Ekin Bike Patrol

Ekin Micro Spotter

Ekin Discreet Patrol

Ekin In-Car Patrol

Fixed Products

Ekin Spotter

Ekin Box Spotter

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

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