

# S1 the Portable Traffic Enforcement Solution

## Distance Range

Optimal ANPR range at ambient light	20 m – 150 m (65 feet – 500 feet)
Maximal ANPR range at optimal conditions	220 m (720 feet) with Sensor 2
Measuring distance	up to 1200 m (4000 feet)

## Imaging

Resolution (H × V pixels: frame rate)	Sensor1: 1280 × 720: 30 fps Sensor2: 2048 × 1536: 25 fps
Function of the second sensor	Enhanced ANPR and enforcement, overview
Lens	30× variable zoom, motorized, programmable presets

## Illumination

Wavelength	760 & 850 nm
Illumination mode	Synchronized flash

## Processing & I/O

CPU for ANPR	Intel Atom Quad Core 4x1.9 GHz
Communication protocols	ARP, ICMP, TCP/IP, DHCP, NTP
4G / LTE Modem / GPS / Wi-Fi	Included
Onboard mass storage	128 GB SSD
Connectivity	1 Gbps Ethernet, push-pull USB connector, external push-pull power connector
Touchscreen	800 × 480 pixel, user-friendly interface

## Electrical Data

Power requirement	12 – 17 V DC
Power consumption (typical)	25 W
Internal battery capacity	36 Wh
External battery capacity (optional)	260 – 520 Wh (6 – 12 hours typical operating time)

## Mechanical Data

Operating temperature*	45°C – +70°C (-49°F – +158°F)
IP rating	IP54
Dimensions l × w × h	361 mm × 371 mm × 224 mm (14.2" × 14.6" × 8.8")
Weight	10.2 kg (22.44 lbs.)

\*internal

## Laser

Measurable speed range	10 – 300 km/h (6 – 186 mph)
Eye safety class	Class 1 / Class 1m (EN60825-1)

## In the box

S1, military grade carrying case, power cable with 12V plug (car cigarette lighter), ethernet cable, external GPS adapter, lifetime Carmen® license plate recognition software, user guide

## Optional Accessories and Software

Tripod with carrying case and mounting kit, external battery with power cable, external battery charger, car seat adapter, soft carrying case, Globessey Data Server central middleware application



Speed measurement up to 1200 m / 4000 ft, ANPR/LPR up to 220 m / 720 ft (up to 100 m / 330 ft at night in complete darkness - 0 lux)

