

# ARH S1

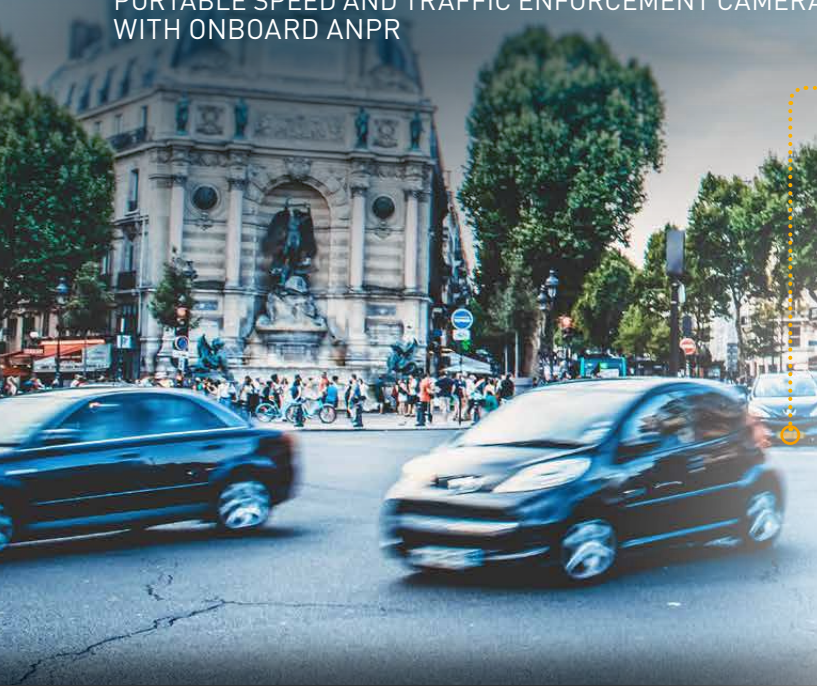
PORTABLE SPEED AND TRAFFIC ENFORCEMENT CAMERA WITH ONBOARD ANPR

ANPR RESULTS:

**DV-LV-05**

**DV-LV-05** EU-NETHERLANDS

- NUMBER PLATE: DV-LV-05
- NATIONALITY: EU-NETHERLANDS
- SPEED: 34 MPH / 55 KMH
- RECOGNITION TIME: 2018-04-12T13:19:19+00:00
- BLACKLIST: ---



## A SPEED ENFORCEMENT CAMERA THAT WORKS ANYWHERE – ON ITS OWN

**ARH S1** is a mobile no-staff speed and traffic enforcement camera with on-board ANPR. It is capable of spotting a violator from 1200 meters (4000 feet) away and returning certified speed measurement results from 600 meters (2000 feet) away. The unique high-precision built-in laser technology reaches further than any other speed monitoring camera on the market.

The S1 speed camera is extremely portable: the setup takes less than two minutes. During measurements, no human interaction is required: the camera operates on its own and uploads every passing vehicle's data – or, depending on user-defined settings, only the violators – to a server via a secured and encrypted channel. We also provide a state-of-the-art database management software for the server, called Event Monitor. The uploaded results include license plate data, the vehicle's speed, exact location (via GPS) and time stamp as well as other parameters. The result files are encrypted and cannot be altered.




SPEED ENFORCEMENT



TOLL COLLECTION



TRAFFIC MONITORING



LAW ENFORCEMENT



TRAFFIC SECURITY



VIDEO ANALYTICS

### MAIN BENEFITS

- No-staff traffic monitoring and enforcement
- Certified speed measurement even from 600 meters (4000 feet) away
- Quick setup: less than two minutes from box to measure
- All-in-one design: IR illumination, ANPR engine, laser beam
- Wide range of communication channels: GPS, 4G/LTE and WiFi
- Tamper-free event registration

TOWARD THE FUTURE IN SAFETY – SINCE 1991

## SPECIFICATIONS

ARH S1

- On-Board CARMEN® ANPR engine • Super long-range speed measurement • GPS • 4G/LTE • WiFi • Encrypted data storage and communication • Fully customizable result output • Works on its own • All-in-one solution
- Plug-and-play • Easy to use

Production Code: **ARH S1**  
ARHCAMS1-01-3573

### 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 600 m (2000 feet) measuring distance up to 1200 m (4000 feet) detection distance

### 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	30x variable zoom, motorized, programmable presets

### ILLUMINATION

Wavelength	760 – 850 nm (multi wavelength infrared)
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 / GPS	Included
Onboard mass storage	128 GB SSD

### 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 typ. operating time)
Connectivity	1 Gbps Ethernet, push-pull USB connector, external push-pull power connector

### MECHANICAL DATA

Operating temperature	-20 °C – 50 °C (-4 °F – 122 °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.)
In the box	Camera, carrying case, GPS with push-pull USB connector, external push-pull battery cable, cigarette lighter adapter, Ethernet cable, special mounting screw

### LASER

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

### OPTIONAL ACCESSORIES

ARH-CAM S1 Tripod, Battery charger, External Battery, Seat Adapter, Soft Case

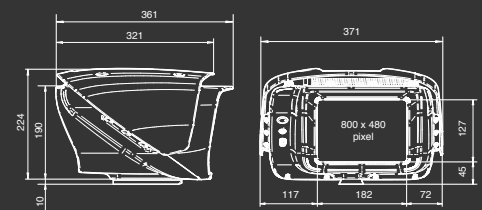


### OPTIONAL ACCESSORIES

Optional accessories are military grade carrying case with optional wheels; two-stage, extremely rigid and stable tripod with leg locks function; high capacity external battery; battery charger with built-in quick charge function, in-car mounting kit; power cord with car connector; external battery power cord and stylus.



Valid speed detection at 600 m / 1968 ft, ANPR/LPR up to 150 m / 490 ft (nighttime up to 100 m / 328 ft).



### ON-BOARD INTELLIGENCE

CARMEN® ANPR	Included
Trigger sources	Built-in Laser trigger



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Technical specifications are subject to change without prior notice. This document does not constitute an offer.