

# 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 to return certified speed measurement result from 600 meters (2000 feet) away. The unique high-precision built-in laser technology reaches as far as no other speed monitoring camera on the market.

The S1 speed camera is extremely portable: setup takes less than two minutes. Afterwards, no human interaction is required: the camera measures speed and uploads every passing vehicle's data – or, depending on user-defined settings, just the violators – via a secured and encrypted channel. The uploaded results include license plate data, the vehicle's speed, exact location (via GPS) and time stamp as well as other selectable 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

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	150 m (500 feet)
Measuring distance	Up to 1200 m (3937 feet) @ reflective target

### IMAGING

Resolution (H x V pixels): frame rate	Sensor1: 1280 x 720: 30 fps Sensor2: 2048 x 1536: 25 fps
Function of the second sensor	Overview
Lens	30x variable zoom, motorized, programmable presets

### ILLUMINATION

Wavelength	760 – 850 nm (multi wavelength infrared)
Illumination modes	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

### 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	Ethernet, mini USB (2), RS232, SMA, 12-pin user connector for optional peripherals

### MECHANICAL DATA

Operating temperature	-20 °C – 50 °C (-4 °F – 122 °F)
IP rating	IP54
Dimensions l x w x h	361 mm x 371 mm x 224 mm 14.2" x 14.6" x 8.8")
Weight	10.2 kg (22.44 lbs.)
In the box	Camera, carrying case, GPS with USB cable, touchscreen stylus, external 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

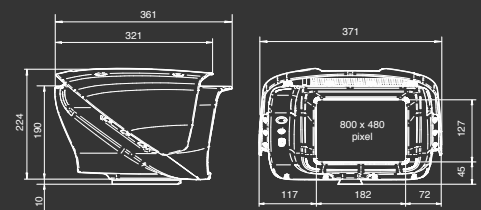


### OPTIONAL ACCESSORIES

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.