SpeedCAM

SPEED ENFORCEMENT CAMERA
WITH BUILT-IN ANPR SOFTWARE & SDK

ARH
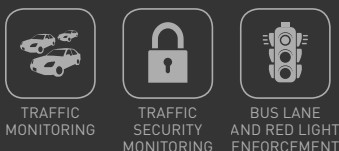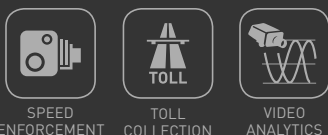
ANPR RESULTS:

| ARH 001 | ZH-35-45 | HT 3832 | MX XN-58 |

- LICENSE PLATE: ARH 001
- PLATE TYPE: EU-HUNGARY
- SPEED: 90 MPH / 148 KMH
- BLACKLIST: -- NO --
- RECOGNITION TIME: 2018-05-02T15:19:20+00:00

ZH 35 45
MEXICO / ZATACETAS
90 MPH / 148 KMH
-- NO --
2018-05-13T15:19:20+00:00

JHT 3832
EU GERMANY
96 MPH / 154 KMH
2013-06-12T15:19:19+00:00

CERTIFIED SPEED ENFORCEMENT CAMERA WITH THE WORLD'S NO. 1 ANPR ENGINE

SpeedCAM is a combination of a high performance, purpose-built plate recognition camera, CARMEN® LPR software and a certified speed measurement tool. The camera's built-in radar is functioning both as a certified speed measurement device with vehicle categorizing and as a high-precision hardware trigger. SpeedCAM automatically exports the requested data (like license plate, speed, category, time stamp, GPS coordinates and many more) in various popular and customizable formats via an integrated 4G/LTE modem. This makes the SpeedCAM an all-in-one traffic management system. The camera reads both reflective and non-reflective license plates in the roughest and toughest environment thanks to its IK10 and IP67 rated robust housing. The quad-core, 1.9 GHz ANPR processing unit makes this camera our most powerful ANPR solution to date. And just to be on the safe side, the camera runs a complex Vehicle Detection algorithm which makes sure that the system loses no events.

SPEED ENFORCEMENT · TOLL COLLECTION · VIDEO ANALYTICS

TRAFFIC MONITORING · TRAFFIC SECURITY MONITORING · BUS LANE AND RED LIGHT ENFORCEMENT

MAIN BENEFITS

- All-in-one traffic solution
- On-board ANPR: runs CARMEN® on a quad-core CPU
- Performance boosted by VehDet algorithm
- Integrated radar: certified speed, classification and hardware trigger
- Secondary sensor and lens: Advanced Vison imaging
- Glare-free and shadow-free imaging

TOWARD THE FUTURE IN SAFETY – SINCE 1991

SPECIFICATIONS

• Certified speed measurement • onboard ANPR • multi-core imaging • multi-core image processing • smart illumination • GPS • easy integration • 4G/LTE modem • reading reflective/non-reflective license plates

Production Code	**SPEEDCAM FHD DUAL PLUS** SpeedCAM-03-4562

DISTANCE RANGE

Optimal ANPR range at ambient light	10 m – 20 m / 33 ft – 65 ft
Maximum ANPR range at optimal conditions	40 m / 130 ft

IMAGING

Resolution (H × V pixels): framerate	Sensor1: 2048 × 1536: 20 fps, 1920 × 1080: 30 fps Sensor2: 1280 × 960: 54 fps
Function of the second sensor	Advanced Vision
Day mode / night mode	Light sensor configurable auto-switching day/night mode, automatic brightness control
High Dynamic Range mode (HDR)	–
Lens	Main lens: 3.3×, automatic, motorized lens

ILLUMINATION

Wavelength	850 nm (Infrared)
Illumination modes	Synchronized flash or continuous

PROCESSING & I/O

CPU for ANPR	Intel Atom Quad Core 1.9GHz
Communication protocols	ARP, ICMP, TCP/IP, DHCP, NTP, FTP, HTTP, SMTP, RTP
4G / GPS	Included

ELECTRICAL DATA

Power requirement	24-28 V AC
Power consumption typical	20 W
Connectivity	Binder M12 circular: Ethernet (8–pin), Power (4–pin), User (8–pin), User (12–pin)

ON-BOARD INTELLIGENCE

CARMEN® ANPR	Included
Video Analytics (Vehicle Detection, Motion Detection, Private Zones)	Included
Trigger sources	GPIO/ UART/ Software trigger (controlled via HTTP request)

MECHANICAL DATA

Operating temperature*	-40 °C – 70 °C / -40 °F – 158 °F *
IP & IK rating	IP67 & IK10
Dimensions (without bracket) length × width × height	390 mm × 167 mm × 155 mm (15.4" × 6.6" × 6.1")
Weight (without bracket)	4.6 kg / 10.1 lbs
In the box	Camera with data cable, power cable, bracket, shield (equipped) and radar with bracket.

RADAR

Measurement Principle	Doppler-Radar
Measurement Frequency	24.165 GHz

OPTIONAL ACCESSORIES

I/O cables, FreewayCAM RAD-AR Trigger, FreewayCAM IR-LIGHT 3, Junction box

*internal temperature / ambient temperature: max. 55 °C (131 °F)

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