VIGILANTE SpeedCAM

SPEED ENFORCEMENT CAMERA
WITH BUILT-IN ANPR SOFTWARE & SDK

ARH

ANPR RESULTS:

ARH 001 ZH-35-45 HT 3832

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

ANPR RESULTS:

- LICENSE PLATE: ZH 35 45
- PLATE TYPE: MEXICO / ZATACETAS
- SPEED: 90 MPH / 148 KMH
- BLACKLIST: -- NO --
- RECOGNITION TIME: 2018-05-13T15:20+00:00

ANPR RESULTS:

- LICENSE PLATE: HT 3832
- PLATE TYPE: EU-GERMANY
- SPEED: 96 MPH / 154 KMH
- RECOGNITION TIME: 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 tool 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: Overview or Advanced Vison imaging
- Glare-free and shadow-free imaging

TOWARD THE FUTURE IN SAFETY – SINCE 1991

VIGILANTE

SPECIFICATIONS

SPEEDCAM

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

Production Code	**SPEEDCAM HD DUAL PLUS** SpeedCAM-03-3552	**SPEEDCAM FHD DUAL PLUS** SpeedCAM-03-4562
DISTANCE RANGE		
Optimal ANPR range at ambient light	4 m – 20 m / 13 ft – 65 ft	10 m – 20 m / 33 ft – 65 ft
Maximum ANPR range at optimal conditions	50 m / 164 ft	40 m / 130 ft
IMAGING		
Resolution (H × V pixels): framerate	Sensor1: 1280 × 720: 30 fps Sensor2: 1920 × 1080: 30 fps	Sensor1: 2048 × 1536: 20 fps, 1920 × 1080: 30 fps Sensor2: 1280 × 960: 54 fps
Function of the second sensor	Overview	Advanced Vision
Day mode / night mode	Light sensor configurable auto-switching day/night mode, automatic brightness control	
High Dynamic Range mode (HDR)	Included (Sensor2)	–
Lens	Main lens: 11×, automatic, motorized 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	16 W	19 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).	
RADAR (OPTIONAL)		
Measurement Principle	Doppler-Radar	
Measurement Frequency	24.165 GHz	

OPTIONAL ACCESSORIES

IO cables, FreewayCAM RAD-AR Trigger, FreewayCAM IR-LIGHT 3, Junction box