



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

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.

















AND RED LIGHT ENFORCEMENT

- 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





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 FHD DUAL PLUS
	SpeedCAM-03-3552	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	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 da	ay/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

ΙΙΙΙΜΙΝΔΤΙΩΝ

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

PROCESSING & I/O

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

FLECTRICAL DATA

Power requirement	`	1	24-28 V AC		/
Power consumption typical		16 W	\	19 W	
Connectivity	Bir	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

	-40 °C – 70 °C / -40 °F – 158 °F	Operating temperature*	
	IP67 & IK10	IP & IK rating	
< 6.1")		Dimensions (without bracket) length × width × height	
1	4.6 kg / 10.1 lbs	Weight (without bracket)	
i, shield	Camera with data cable, power cable, bracket, s	In the box	

RADAR (OPTIONAL)

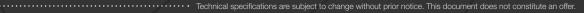
Measurement Principle	Doppler-Radar	/
Measurement Frequency	24.165 GHz	

OPTIONAL ACCESSORIES

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









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