

SpeedCAM

SPEED ENFORCEMENT CAMERA WITH BUILT-IN ANPR SOFTWARE & SDK



SMART SOLUTION WITH INTEGRATED LPR FOR STATIONARY SPEED ENFORCEMENT

SpeedCAM combines intelligent number plate recognition with speed measurement radar to form a smart traffic sensor in a single-sealed, robust and waterproof camera. The built-in smart camera provides an all-in-one solution for intelligent traffic monitoring and number plate recognition. It includes high quality image capturing in integrated illumination, a processing unit for number plate recognition, automatic self-control and remote access. All processing is done inside the unit: images, number plate texts, time and vehicle speeds are stored in a database within the SpeedCAM's memory with easy access through a web server.

KEY FEATURES

- Built-in Doppler RADAR and LPR processing unit
- Continuous speed measurement and image capturing, max 30 FPS
- Vehicle classification and traffic counting capabilities
- World leading CARMEN® LPR engine included (country-independent)

MAIN BENEFITS

- Appropriate even for low infrastructure systems; no need for lane controller PC for ANPR
- Traffic counting, traffic analysis
- Installing simply: requires standard IP and power connection only
- Offering higher OCR accuracy in number plate recognition based systems



SPEED ENFORCEMENT



TOLL COLLECTION



JOURNEY TIME MEASUREMENT



VIDEO ANALYTICS



TRAFFIC MONITORING



TRAFFIC SECURITY MONITORING



BUS LANE AND RED LIGHT ENFORCEMENT

SPECIFICATIONS

SPEEDCAM

IMAGING

Resolution (H x V pixels)	1280 x 720
Sensor	Color, Progressive scan CCD 1/3"
Max Frame Rate (at all resolution)	30 frames/sec
Exposure Control	Global shutter, software adjustable 1/30 s – 1/27700 s
Output Format	JPEG, MJPEG stream, H.264
JPEG Quality	Adjustable between 10 % – 80 %
Day/Night Mode	Configurable day/night mode switching

LENS

Lens Type	5.2 – 58.8 mm with high precision motorized positioning
Iris	Automatic motorized, programmable
Focus	Automatic motorized, programmable
Zoom	Automatic motorized, programmable
Optical Filter	Switchable: All pass / IR cut above 850 nm
Recommended ANPR Range	3 m – 20 m (10 feet – 65 feet)

ILLUMINATION

Type	High power IR LED, regulated
IR Wavelength	850 nm
Number of LEDs	8
Intensity	3 preconfigured modes (low, medium, high)
Flash Time	Software adjustable, up to 950 µs

PROCESSING & I/O

CPU	1.6 GHz Intel Atom + N2600
Operating Memory	1GB DDR3
Storage Memory	32 GB
Operating System	Linux 64 bit
ANPR	CARMEN® FreeFlow
Communication Protocol	ARP, ICMP, TCP/IP, DHCP, NTP, FTP, HTTP, SMTP, RTP
Communication Interface	100Mbit/sec, Ethernet

RADAR

Measurement Principle	Doppler-Radar
Measurement Range	0 – 255 km/h (0 – 158.5 mph)
Radar frequency	24.165 GHz, K-Band
Direction	Selectable uni- or bidirectional
Installation angle	Recommended 10° – 25°
Operating mode	Counting (signed) speed

ELECTRICAL DATA

Input Voltage	24-28 V AC
Basic Power Consumption	35 W
Power Consumption With Heating	90 W
Junction Box	Optional

MECHANICAL DATA

Operating Temperature	-20 °C to 55 °C (-4 °F to 131 °F)
Startup Temperature	Over 0°C (32 °F)
IP rating	IP67
Dimensions (L x W x H)	385 mm x 243 mm x 335 mm (15.16" x 9.57" x 13.19")
Weight (without bracket)	13,5 kg (29 pound)
Weight (bracket)	0,6 kg
Housing Material	Aluminum
Housing Color	RAL 9007 / Optional Custom
Shield Color	RAL 9007 / Optional Custom

