ADAPTIVE RECOGNITION

Einar – ANPR camera

Model	Einar	Einar T
Version	Gen 2 (2nd generation)	

Imaging

Maximum resolution (HxV pixels): framerate	8MP; 3840×2160 @ 30 FPS	
Sensor	Color, CMOS	
Day/night switch	Automatic brightness control with predefined traffic environments, or manual	
Lens (Zoom, Focus and Iris are motorized)	4 – 10 mm	9 – 22 mm
Angle of View (H×V)	Zoom out: 88° × 57° Zoom in: 42° × 24°	Zoom out: 35° × 27° Zoom in: 15° × 11°

Distance Range

Custom sensor configurations (e.g, resolution, color or b/w), optics (zoom or fix, focal length, etc.) and filters (IR-band, IR-Cut, All Pass, and Polarized) are available upon request.

Optimal ANPR range at ambient light or at 0 lux	1.5 – 12 m [5 – 39 feet]	5 – 20 m [16 – 65 feet]

ANPR range can be tailored with different lens and sensor combinations to meet specific project requirements.

On-Board Intelligence

OCR	CARMEN® ANPR (ALPR) engine optional
Vehicle direction detection	Included
CARMEN® Make and Model, Color Recognition	Optional
Vehicle categorization	11 categories with MMR
Trigger modes	Built-in video analytics, External software trigger (via IP), GPIO
GUI	Event-based search, playback, pre-settings
Integrated applications	GDS, ParkIT, CARMEN® Cloud

Illumination

Additional AI-based features can be enabled for selected projects.

Wavelength	850 nm (infrared); continuous

Any required wavelength (white, 760nm IR, 850nm IR, etc.) even mixed with different beam-angles are also available upon request.

Processing & I/O

Processing unit	8-core (ARM 2×2.2GHz + 6x1.8GHz)
Ethernet port	100 Mbit (10/100)
I/O port	12-pin GPIO
Communication protocols	API, NTP, TCP/IPv4, DHCP, DNS, FTP, SFTP, HTTP, HTTPs, RTSP, SNMP, ONVIF, MQTT, MQTT, Modbus, Auror, Scheidt&Bachman, Zatpark

Storage

SD-card slot	128 GB SD card included, user exchangeable up to 512 GB
Stored events	280,000 (average event number size: 3.7 MB, SD-card size: 128 GB)
External storage type	FTP, SFTP, HTTP, HTTPS, GDS, IVS
Trigger source	Plate finder (built in analytics), External Software trigger (trough IP), Hardware-based (trough GPIO port)

Electrical Data

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Power requirement	PoE+
Power consumption	5 W typical, 22 W max (with heating)
Connectivity	1 × PoE+ RJ45 connector, 1 × GPIO

Mechanical Data

Internal operating temperature	-40°C – +85°C (-40°F – +185°F)
Protection	IP67 (weather proof, water tight)
Dimensions (H×W×D, without bracket)	167×126×100 mm / 6.57"×4.96"×3.94"
Weight (without bracket)	1.2 kg / 2.65 lbs

Optional Accessories

GPIO cable	GIPO cable, Extended shield, Hidden-cable bracket

Certificates

Certificate	Made in EU, CE, FCC, RoHS, NDAA compliant

90° 167 mm 193 mm

126 mm

209 mm 180° 193 mm

180°
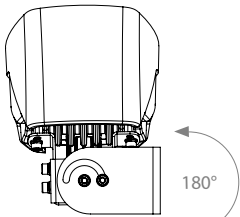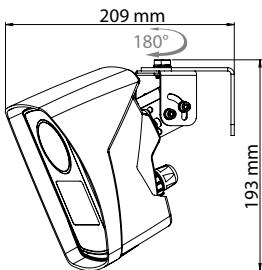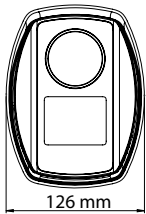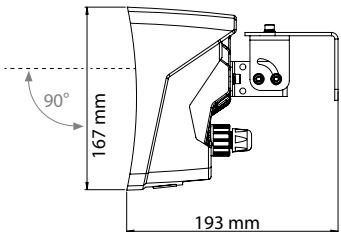
3-year warranty Made in EU

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