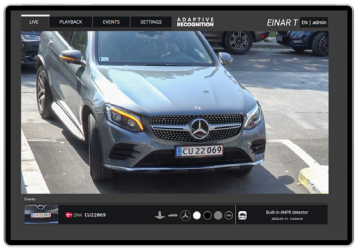
ADAPTIVE RECOGNITION

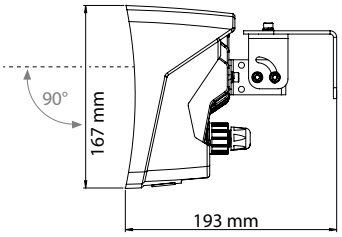
Technical Datasheet

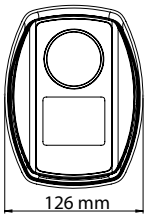
Einar – ANPR camera

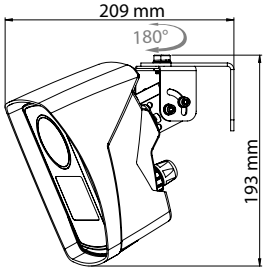
Einar / Einar Super T
infrared light

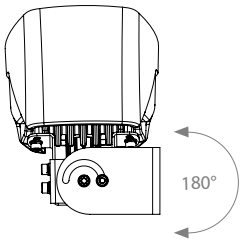
Einar W
white light











3-year warranty
Made in EU

Model	Einar IR light	Einar W white light	Einar Super T IR light & Telelens
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		10 – 30 mm
Angle of View (H×V)	Zoom out: 88° × 57° Zoom in: 42° × 24°		Zoom out: 42° x 24,4° Zoom in: 14,6° × 8,2°
ANPR 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.		
ANPR distance	1.5 – 12 m [5 – 39 feet]		9 – 80 m [30 – 262 feet]
ANPR speed	up to 80 km/h / 50 mph		
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)	visible white light	850 nm (infrared)
Mode	continuous		
Processing & I/O	Any required wavelength (white, 760nm IR, 850nm IR, etc.) even mixed with different beam-angles are also available upon request.		
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			
Internal Storage	-		88 GB
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: 280.000 +Internal: 192.500
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			
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		

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Technical specifications are subject to change without prior notice. This document does not constitute an offer. For any specific requirements beyond our standard products, custom configurations are available. Please contact our sales team to discuss your project needs and explore tailored solutions. We are happy to help.

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