

ADAPTIVE RECOGNITION

Technical Datasheet

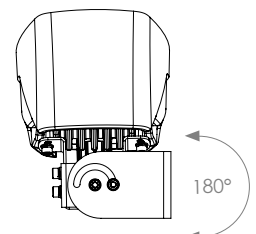
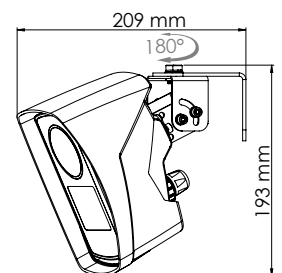
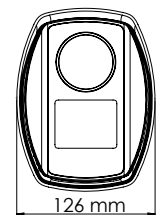
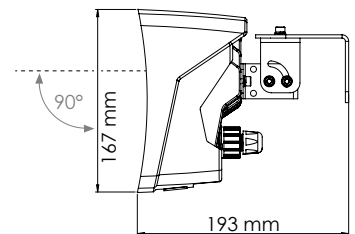
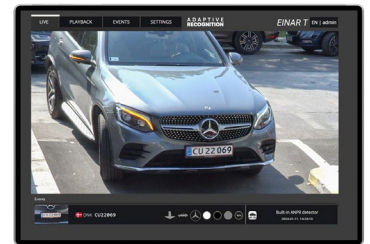
Einar – ANPR camera

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 (HxV)	Zoom out: 88° × 57° Zoom in: 42° × 24°		Zoom out: 42° × 24,4° Zoom in: 14,6° × 8,2°			
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 Range						
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					
Additional AI-based features can be enabled for selected projects.						
Illumination						
Wavelength	850 nm (infrared)	visible white light	850 nm (infrared)			
Mode	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 2x2.2GHz + 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 (Profile S, Profile M), MQTT, Modbus, Aurora, Scheidt&Bachmann, Zapark					
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	GPIO cable, Extended shield, Hidden-cable bracket					
Certificates						
Certificate	Made in EU, CE, FCC, RoHS, NDAA compliant					



Einar / Einar Super T
infrared light

Einar W
white light



3-year warranty
Made in EU



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