ADAPTIVE RECOGNITION

Einar ANPR camera

Model

	Einar
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 (all auto and motorized)	4 – 10 mm, 2.5x
ANPR range	1.5 m – 12 m / 5 ft - 39 ft

On-Board Intelligence

OCR	ANPR (ALPR) engine on board*
Vehicle direction detection	Included
Color + Make and Model Recognition (MMR)	Optional**
Vehicle categorization	10 categories with MMR
Trigger modes	Plate finder (built in analytics), external software trigger (via IP), hardware-based (via GPIO port)
GUI	Event-based search, playback, pre-settings
Integrated applications	GDS, ParkIT, ANPR Cloud

Processing & I/O

CPU	8-core (ARM 2×2.2GHz + 6x1.8GHz)
Communication protocols	API, NTP, TCP/IPv4, DHCP, DNS, FTP, SFTP, HTTP, HTTPs, RTSP, SNMP, ONVIF
I/O port	12-pin GPIO

Illumination

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Wavelength and mode	850 nm (infrared); continuous

Storage

SD-card slot	128 GB SD card included, user exchangeable up to 512 GB
Stored events	Up to 140,000 (average event number size: 3.7 MB, SD-card size: 512 GB)
External storage type	FTP, SFTP, HTTP, HTTPS, GDS, IVS

Electrical Data

Power requirement	PoE+
Power consumption	5 W (typical)***
Connectivity	Single cable with RJ45 connector (data and power) & GPIO (optional)

Mechanical Data

Operating temperature (internal/ambient)	-30°C – +85°C / -30°C – +55°C (-22°F – +185°F / -22°F – +131°F)
Protection	IP67
Dimensions (without bracket) (L×W×H)	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-KIT

Certificates

Certificate	Made in EU, NDAA compliant, CE, RoHS, FCC
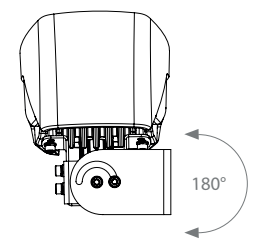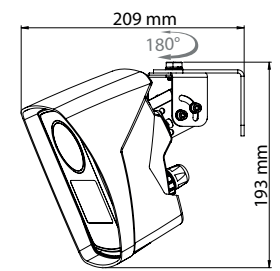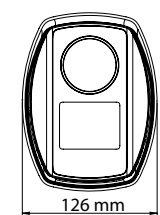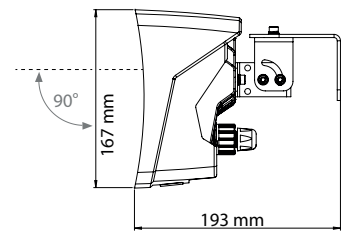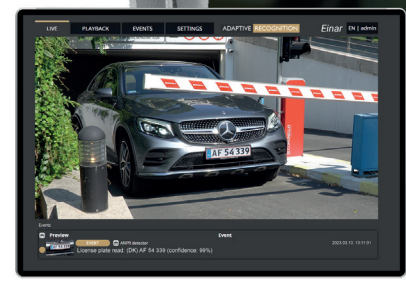
*License required (region-based) / Carmen® ANPR   **Carmen® MMR   ***12 W (maximum)
No responsibility is assumed for inaccuracies.

167 mm
193 mm
90°

126 mm

209 mm
180°
193 mm

180°

3-year warranty
Made in EU

Release date: 24. 03. 2023