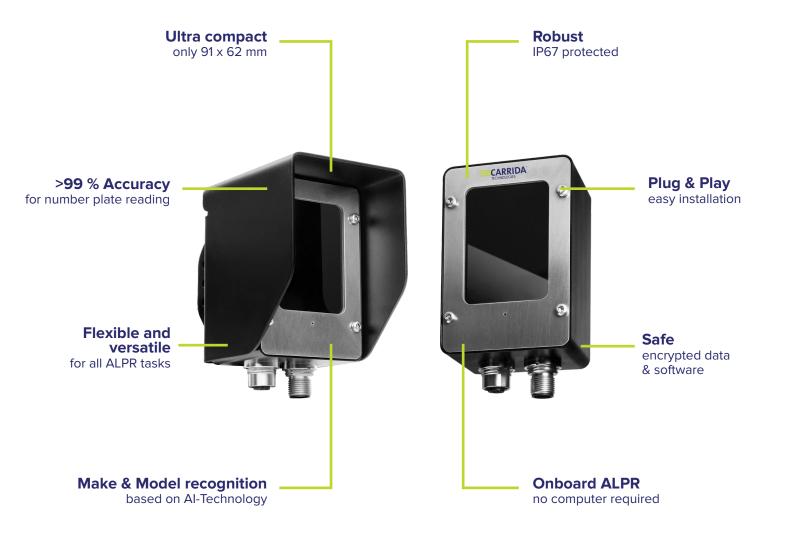CARRIDA CAM Dragon+

Size matters!
The smallest
stand-alone ALPR camera

Why struggle with bulky cameras if you can get best-in-class onboard ALPR with a powerful camera the size of a credit card? That's the new CARRIDA CAM Dragon+!

Ultra compact
only 91 x 62 mm

Robust
IP67 protected

>99 % Accuracy
for number plate reading

Plug & Play
easy installation

Flexible and versatile
for all ALPR tasks

Safe
encrypted data & software

Make & Model recognition
based on AI-Technology

Onboard ALPR
no computer required

The CARRIDA CAM Dragon+ features the proven CARRIDA software engine for numerous ALPR applications such as access control and parking, safety, security and law enforcement as well as smart city and tolling. It is available as ready-to-use camera or electronics kit for easy implementation in individual systems.

Features

ALPR	High-Speed ALPR with onboard processing
Typical Accuracy	>99 %
AI Features	Make/Model Recognition, Vehicle Type Classification

Imaging

CMOS Sensor	1/2.9" Sony IMX 273, monochrome or color
Max. Resolution	1440 x 1080 Pixels (can be adapted to ROI)
Image Acquisition	Global Shutter / 205 full-frames per second
Lens Options	Different lenses for detection and reading distances of 8m - 25m

Processor

Processor Type	Quad-Core ARM® Cortex®-A53
RAM	1 GB DDR-SDRAM
Memory	Flash EPROM – 16 GB industrial eMMC

Interfaces

I/Os	Multiple I/Os, programmable + Trigger / Flash I/O
Ethernet	100 MBit/s

Additional Features

RTC	Real time clock with backup battery
LEDs	850nm LED Flash Light (940nm or white light LED on request)

Power Supply

Input	24 VDC +/- 20%, max. 1200 mA
Power Consumption	Typical < 6 W

Mechanical Data

Dimensions	46 x 62 x 91 mm (LxWxH)
Weight	Approx. 450g
Operating Conditions	-20 to +50 deg C, Max. humidity: 80%, non condensing
IP rating	IP67

Standard Range

8m

Maximum
Recognition Distance

Mid Range

16m

Maximum
Recognition Distance

Long Range

25m

Maximum
Recognition Distance