

ICAR G3+

We are proud to present our latest mobility solution named iCar-G3+.

iCar-G3+ is the latest mobility solution. It combines the power of a road radar and that of an **iCar-G3** camera to detect all vehicles. The number plate recognition and the vehicle detection and localization capabilities of the camera are combined with the detection and precision of the speed measured by the radar to make it a best-in-class solution within its category.

iCar-G3+ can operate on 2 lanes, and is able to detect vehicles driving up to 250 km/h.

Operationally, each vehicle is detected by both the camera and the radar. The camera reads the vehicle's license plate, and computes its respective speed. The radar computes its speed and length. The information extracted out of the two sensors are then merged inside the camera to associate the accurate speed measured by the radar with the license plate read by the camera.



MAIN TECHNICAL CHARACTERISTICS

- > Counting all vehicles
- > Vehicle speed detection up to 250 km/h
- > PSU: 12 Vdc
- > Communication : Ethernet
- > Operating temperature : -20°C - +60°C
- > Minimum IP67 protection

✓ Ready to use with



**MACQ MOBILITY
MANAGER**

ICAR G3+	
Overall performances	
Speed	Up to 250 km/h
Speed resolution	±1km/h
Lanes	2
Working distance	40 m
Vehicle lengths measure	+/- 1m
Counting	100%
Plate recognition	>97%
Image processing	
ANPR camera	1.3 MP
Context camera	1.3 MP
Internal illuminator	90 wide-angle LEDs
Image processing chain	15 fps
Compression	H.264
Streaming	RTSP
Radar	
Radar frequency	24 GHz ISM band
Software features	
OS	Linux Operating System
Storage	64 GB min
GPS	External in technical cabinet
3G/4G	Optional
Time	NTP & GPS synchronization
Mechanical	
Mechanical dimensions	170x170x45 (HxLxI) with housing
Weight	3,9kg
Operating temperature	-20°C – 60°C
Electrical installation	12 Vdc
Power consumption	30W
Software configuration	Web server & TCP/IP
Data transmission	
System integration	Integration into M ³ mobility management software
Protection	IP67, IK6
Norms & standards	RED 2014/53/EU ETSI EN 300 440 ETSI EN 301 489-1, ETSI EN 301 489-3