

# ICAR CAM G3



The intelligent camera for automatic number plate recognition

**iCAR-CAM** is an integrated system that enables to capture **vehicles licence plates** during day and night time. It is composed of a digital shots unit, an infrared lighting, a processing unit and various algorithms.

The system is able to detect and to identify a vehicle licence plate, on the move as well as stationary. The shot happens continuously. No triggering is needed.

iCAR-CAM is able to capture a vehicle at **between 3m and 30m**, depending on the required optical adjustment.

One of the many advantages of the iCAR-CAM is the use of high resolution camera with **new hyper light dynamic CMOS**. Thanks to this technology our system is able to **read reflective and over-exposed plates**.

The system will provide the licence plate stamped in the form of a text and of the picture used for the licence plate reading. This information will then be transmitted via Ethernet or serial link.

## APPLICATIONS

- > Access control
- > Average speed (**certified**)
- > Travel Time
- > Car park securing
- > Search for stolen vehicles
- > Low emission zone
- > Interdistance
- > Shadow tolling
- > Road safety
- > Traffic analysis
- > Border control
- > Car free city center

## MAIN TECHNICAL CHARACTERISTICS

- > 100% Macq made
- > IP ANPR camera
- > Fully integrated system
- > Proven ANPR software
- > Up to 30 pictures/s analyzed
- > Capture from 3m to 30m
- > Web based interface
- > Fast and easy installation
- > Infrared lighting
- > Operates all weather conditions
- > High definition digital camera
- > Large picture view
- > Network update
- > SSD Memory
- > Low power consumption: 15W

✓ Ready to use with



**MACQ MOBILITY  
MANAGER**

ICAR CAM G3	
<b>Sensor type for ANPR</b>	
Technology	B/W High definition CMOS
Optical format	1/1.8"
Resolution	1280 x 1024
Frame rate	60 fps @ full format
Sensitivity	High sensitivity at low light level
Lens type	Pre configured focal distance/ 12-16 -20 -25 -35mm
<b>Sensor type for overview - Optional</b>	
Technology	High definition CMOS colour camera
Optical format	1/1.8"
Resolution	1280 x 1024
Sensitivity	High sensitivity at low light level
Lens type	Pre configured focal distance/ 12-16 -20 -25 -35mm
<b>Lighting</b>	
Technology	Pulsed Infrared LED's synchronized with camera shutter
Operating distance	up to 30 m
Wavelength	850 nm
<b>Processor</b>	
Type	1iMX.6 Quad Core -ARM Cortex A9 CPU
Power cycle	Hardware Monitored
<b>Communications</b>	
IP connectivity (Standard)	
Wireless 802.11 a/b/g 54 Mbps -WIFI (Optional)	
3G & GPS Modules (Optional)	
<b>Environmental</b>	
Temperature	-30° to +60° C -operating
Protection grade	IP67   IK6
<b>Housing</b>	
Dimensions (w/ Sunshield)	143 x 249 x 214 (H x W x D)
Weight	3,5kg
Brackets	Gantry / Pole   Fixtures available on option
Materials	Coated Aluminum – Fiber reinforced PBT – Inox
Colour	RAL 7047 (Telegrey)   RAL 7016 (Anthracite grey)
<b>Power supply</b>	
Types	Direct 12-24-48VDC   POE or POE+
Current consumption	0.3A @ 48 VDC
Power consumption	15W
<b>Special features</b>	
ANPR Camera Range	2m -30m
Video streaming	RTSP Streaming Server
Speed detection	0 to 250 km/h