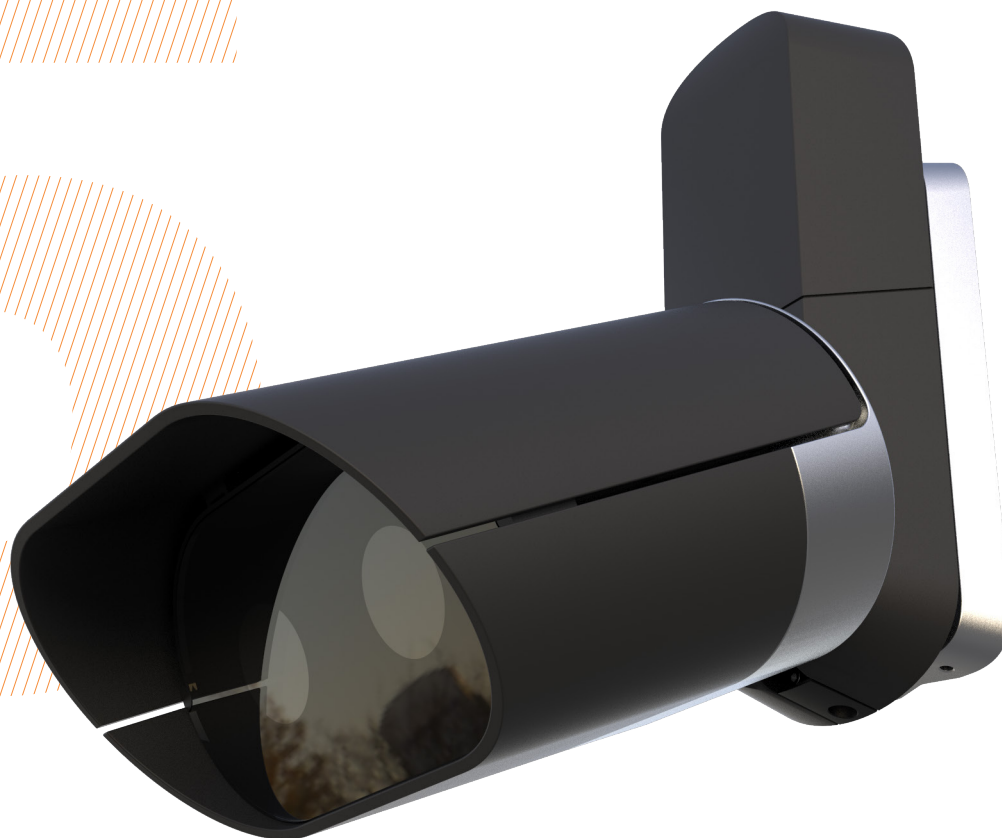


ICAR CAM 5



The latest addition to the well renowned iCAR-CAM camera range.

Integrating the latest **cutting-edge technologies** (deep-learning based algorithms), the CAM 5 ANPR camera delivers **unprecedented** number plate **recognition** capabilities. Additionally a **unique set of functionalities** designated to provide further **vehicle characterization** makes this product the "best in class" within its category.

The CAM 5 camera can operate on **1, 2, 3 or 4 lanes** and is capable in standard of differentiating up to **5 classes** of vehicles.

Moreover, it also integrates in option a "**make and model**" recognition feature as well as a vehicle "**color**" characterization (provided that the scene illumination would be sufficient).

Both features are of invaluable help when it comes to vehicles searches and also nicely fulfill the current gap of similar products market offerings as these features, when available, are usually relying on additional hardware/ software.

The CAM 5 camera is also capable of calculating an **instantaneous speed** estimate for each vehicle travelling within its field of view.

The whole CAM 5 camera technology is embedded in a **small footprint** - but well-designed - housing that discretely blends into urban environments. All details have been carefully thought and engineered to facilitate its installation and deployment: a miniaturized **motorization** within the support arm allows **remote alignment**, removing the burden of relying on an aerial lift truck for final mechanical setup.

MAIN TECHNICAL CHARACTERISTICS

- > Dual high-sensitivity, high-resolution sensors (2464 Hpx × 2056 Vpx - B/W & Color)
- > Vehicle speed detection from 0 to 250 km/h
- > Weight: 3.8kg
- > PSU: 12-24 Vdc
- > Communication: Ethernet
- > Processor : JETSON NVIDIA TX1/TX2
- > Functioning temperature: -20°C +50°C
- > Minimum IP67 protection
- > WIFI, 3G/4G/GPS
- > Motorized arm (tilt and pan)

✓ Ready to use with



**MACQ MOBILITY
MANAGER**

ICAR CAM5	
Overall performances	
Lane Detected	1 - 2 - 3 - 4
Max Speed detected	250 km/h
Working Distance	Up to 30 m
Detection	99%
Plate recognition	>95%
OCR	256-core-based Nvidia Deep Learning
Classification	5 classes
Vehicle color	Yes
Make & model recognition	Yes
Image processing	
ANPR camera	5 MP
Context camera	5 MP
Illuminator	88 wide-angle LEDs
Lenses	Various available focal lengths
Image processing chain	30 fps
Compression	Lossless PNG or JPEG
Streaming	Color video H264 via RTSP
Software features	
OS	Linux Operating System
Encryption	AES256
Storage	Up to 256 GB SSD
GPS	Yes
3G/4G	Yes
Wifi	Yes
Time	NTP & GPS synchronization
Mechanical	
Dimensions	190 x 110 x 196 mm ³ (caméra only)
Weight	3.8 kg
IP Protection	IP67 min
Operating temperature	-20°C to +55°C
Operating humidity	10% to 90%
Configuration	
Mechanical installation	Remotely via motorized arm
Electrical installation	12-24 Vdc, 25 W
Software configuration	Web server & TCP/IP
Data transmission	JSON, SNMP, UTM, ONVIF
System integration	Integration into M ³ mobility management software