

Ⓢ The **IcomSpeed** range includes **three** OEM radars designed to meet all different applications requested by the VMS market.

Due to its flatness the unit can easily be integrated into your product, such as a speed display panel or a VMS (Variable Message Sign).

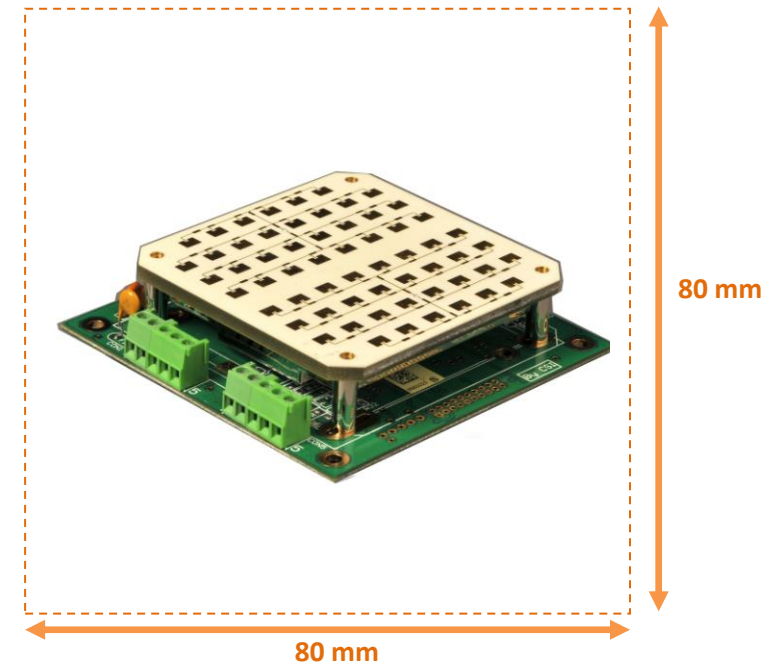
It can also be used to trigger more complex system as camera.



The assets 

- ✓ **Very low power** consumption for solar powered VMS
- ✓ **Excellent reliability**: hundreds of units overview spread worldwide
- ✓ **Same protocol basis** for the 3 models: integration easiness
- ✓ **One hardware size** for the three products = selling VMS upgrade possible!

Hardware real size representation:



Ⓢ Why choosing an ICOM**SPEED**?

COMFORT

- No maintenance
- 3 outputs: 2 contacts (open drains) and 1 RS232 interface
- Multiple settings available

OUTPUTS

- Speed
- Vehicles direction
- Counting*
- Detection distance information*

**according to the model selected*

COUNTING ACCURACY

EXAMPLE:

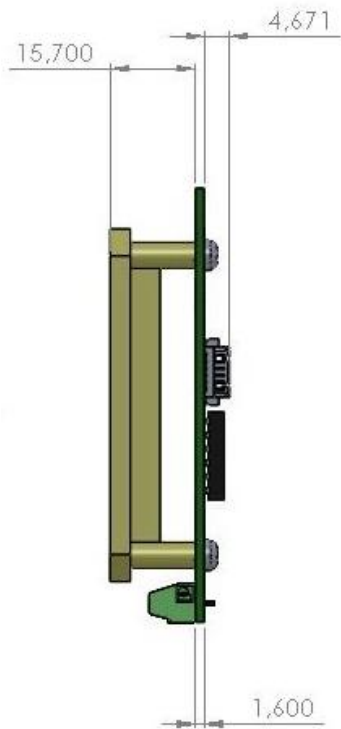
- 2 lanes approaching road;
- Reality (video): 771 vehicles;
- Icomspeed counting: 740 vehicles;

ACCURACY: 96% !!!

SETTINGS

- Measurement unit: mph or km/h
- For each contact: speed range, direction (approaching, receding or bidirectional) and flashing option (pulse, duration, repetition)
- Speed of communication with serial port (9600 to 57600 bps)
- Time gap between two measures
- Etc.

Dimensions in mm



	ICOMSPEED	ICOMSPEED-COUNTING	ICOMSPEED-DISTANCE
Speed output	✓	✓	✓
Counting output		✓	✓
Distance measurement output			✓
Detection range	Adjustable - Max. range: - Light vehicle: 120m - Heavy vehicle: 250m	Adjustable - Max. range: - Light/ Heavy vehicle: 100m	Adjustable - Max. range: Light/ Heavy vehicle: 100m
Detected speed range	From 5 to 300 km/h		
Detection direction	Approaching, receding or bidirectional		
Dimensions	80 x 80 x 26 mm		
Weight	100 g		
Operating temperatures	From -20°C to + 75°C		
Power supply	5,5-38 V DC	12-20 V DC	12-20 V DC
Power consumption	Starting at 8 mA at 12 V DC !	Starting at 40 mA at 12 V DC	Starting at 40 mA at 12 V DC
Frequency	K-band: 24.125 Ghz	K--band: 24.125 Ghz	K-band: 24.125 Ghz
Transmission power	< 5 mW	< 5 mW	< 5 mW
User output	- RS232 interface - 2 open drains, max. 90 mA/45 V, fuse protected		
Antenna	12° x 24°		
Speed Accuracy	Speed: 98 %		
Counting accuracy	n.a.	Up to 90 %	Up to 90 %
Distance accuracy	n.a.	n.a.	+/- 2 meters
Baud rate	9600 to 57600 bps		
Protocol	Test menus or "machine to machine"		

STANDARDS

Electromagnetic compatibility and electrical safety: the IcomSpeed complies with the essential requirements and other relevant provisions of the R&TTE Directive 1999/5/EG.



Log - V1.1 - First release
V1.2 - CBA 20150703 - Power feeding IcomSpeed Distance/IcomSpeed Counting

Specifications subject to change without prior notice.