



IcomSpeed Range

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

How does it work?

Compact and very energy-efficient, the IcomSpeed-Distance Doppler-FSK speed sensor will easily integrate into your application. It measures the speed and the distance to the target and transmits it on its RS-232 output. It is also equipped with an open collector for which the trigger speed and distance thresholds can be set.

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 a more complex system or camera.

Features and Benefits

- Low power consumption for solar-powered VMS
- Reliable: thousands of units deployed worldwide
- Same protocol for the 3 models

Why choose an IcomSpeed?

Convenience

- 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*

VMS Integration



IcomSpeed

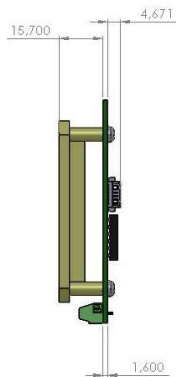
IcomSpeed Counting
IcomSpeed Distance

Settings

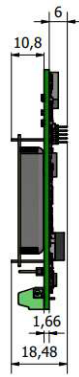
- Measurement unit: mph or km/h
- For each contact: speed/distance range (according to model), direction (approaching, receding or bidirectional) and flashing option (pulse, duration, repetition)
- Speed of communication with serial port (9600 to 57600 bps)
- Time gap between two measures

IcomSpeed Range Technical Specifications

IcomSpeed



IcomSpeed Counting/Distance



	IcomSpeed	IcomSpeed Counting	IcomSpeed Distance
Speed output	✓	✓	✓
Counting output		✓	✓
Distance measurement output			✓
Detection range	Adjustable - Max. range: 120 m (394 ft) for light vehicles 250 m (820 ft) for heavy vehicles	Adjustable - Max. range: 90 m (295 ft) for light/heavy vehicles (depends on target reflectivity, installation conditions and cover)	
Detected speed range	From 5 to 300 km/h (3 to 186 mph)		
Detection direction	Approaching, receding or bidirectional		
Dimensions	80 x 80 x 20.3 mm 3.15 x 3.15 x 0.80 in	80 x 80 x 18.5 mm 3.15 x 3.15 x 0.73 in	
Weight	100 g (0.22 lb)	90 g (0.20 lb)	
Operating temperatures	From -20°C to + 75°C (-4°F to + 167°F)		
Power supply	5.5-18 V DC	12-20 V DC	12-20 V DC
Power consumption	Starting at 8 mA at 12 V DC	Starting at 52 mA at 12 V DC	
Frequency	K-band: 24.125 Ghz	K-band: 24.150-24.250 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°	38° x 45°	
Speed accuracy	Speed: 98 %		
Counting accuracy	n.a.	Up to 96 %	Up to 96 %
Distance accuracy	n.a.	n.a.	+/- 2 meters (+/- 6.6 ft)
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 2014/53/EC, and with Part 15 of the Federal Communications Commission (FCC)

