

TMB-134 – All-in-one multi-lane microwave sensor

The TMB-134, designed for multi-lane intersections, enables up to 9 customizable detection areas for effective vehicle and bicycle management, ensuring efficient traffic regulation.

How Does It Work?

The user can define up to 9 virtual loops, all activated by vehicles or bicycles. The stop-line detection areas can be configured, per lane, as presence areas: the “loops” are activated until the object leaves the zone.

Why A Radar?

Above ground technology

- Safer for traffic engineers, who can stay at the roadside during installation
- Less expensive: no road works and no traffic interruption needed for the installation

It operates under all weather conditions

- Works despite weather conditions like frost, snow, fog, etc.

No maintenance

- No lens to clean for maintenance-free operation

Features

- Virtual distant loops, activated on movement detection
- Virtual stop-line loops, activated on movement or presence detection
- Up to 9 detection areas (virtual loops), configurable in function, size and position

Options

- Power supply:
 - 10-60 V DC / 8-30 V AC, 50-60 Hz
 - 21-75 V DC / 15-53 V AC, 50-60 Hz
 - 100-240 V AC, 50-60 Hz
- 9-relay output board

Benefits

- 1 single radar to replace up to 9 inductive loops
- Right-turn/left-turn detection
- Data collection: protocol includes position, speed and vehicle-length



Easy to use and install

- Detachable cable at the rear of enclosure
- Delivered ready to install, including cable, mounting bracket, screws and bolts
- Wireless configuration through wifi and web-based graphical interface

TMB-134 Radar Technical Specifications

Why an Icoms radar?

Field proven and reliable

Thousands of Icoms radars installed worldwide since 1993.

Easy to use and install

- Detachable cable at the rear side
- Delivered ready to install, i.e. including cable, fixing support, screws and bolts

Settings

For each detection area/virtual loop:

- Size and position
- Function



Standards

- Directive 2014/53/EU

Technical Features

	TMB-134 LV	TMB-134 MV	TMB-134 HV
Recommended configuration	Min. 14 m (45 ft) from stop line (at the opposite side of the intersection)		
Number of detection zones	Up to 9 detection zones		
Detection direction	Approaching		
Detection range	Up to 70 m (230 ft) from the installation point		
Max. detected speed	99 km/h (61 mph)		
User input	USB via relay card		
User output	USB for configuration via relay card - RS-485		
Power supply	8-30 V AC 10-60 V DC	15-53 V AC 21-75 V DC	100-240 V AC 50-60 Hz
Power consumption	< 6 W		
Environmental protection	IP65		
Dimensions	68 x 99 x 151 mm 2.7 x 3.9 x 5.9 in	68 x 99 x 234 mm 2.7 x 3.9 x 9.2 in	68 x 99 x 234 mm 2.7 x 3.9 x 9.2 in
Weight (without cable and mounting support)	0.450 kg (1.0 lb)	0.600 kg (1.3 lb)	0.630 kg (1.4 lb)
Mounting system	Specific mounting system supplied, adapted for M8		
Frequency	W-Band: 76-77 Ghz		
Operating temperature	-40 °C to +60 °C (-40 °F to +140 °F)		

Software requirements:

PC operating system	Windows 10 or higher, min. 512 MB RAM
Disk space	50 MB

