



Advanced Intersection Detection

TMB-13X Radar for multi-lane intersection.



Product Description

The **TMB-13X Radar** is a flexible and robust multi-lane microwave sensor for traffic signal regulation.

- Up to 9 detection areas (virtual loops), configurable in function, size and position
- Virtual loops activated on movement AND/OR presence detection
- Enriched data (speed, length, direction, position) via RS-485 connection

The user defines up to 9 virtual loops, all activated by vehicles, bicycles, scooters etc. Each detection area can be configured as presence areas: the "loops" are activated until the object leaves the zone.

Advantages

Above-Ground, Non-Intrusive Installation

- Safer roadside setup with no traffic disruption

All-Weather, Maintenance-Free Performance

- Unaffected by frost, snow, fog; no calibration or lens cleaning required

Flexible, Easy Deployment

- Ready to install with included hardware; configurable virtual loops via WiFi browser interface

High-Capacity Detection

- One radar replaces up to 9 inductive loops, including turn and stop-line detection

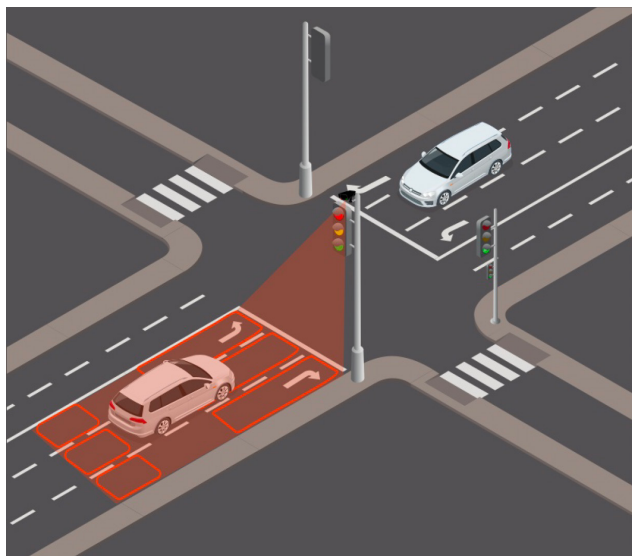
Field Proven and Reliable

- Thousands of Icoms radars installed worldwide since 1993



Specifications

	TMB-13X LV	TMB-13X MV	TMB-13X HV
Recommended Configuration	Min. 4 m from stop-line		
Number of Detection Zones	Up to 9 zones with optional relays board		
Detection Direction	Approaching		
Detection Range	Up to 120 m from the installation point		
Max. Detected Speed	120 km/h		
User Input	WiFi with web graphical interface		
User Outputs	3 internal relays - RS-485 - Optional 9 relays board		
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
Consumption	< 6 W		
Environmental Protection	IP65		
Dimensions (Excl. Bracket)	68 × 99 × 151 mm	68 × 99 × 234 mm	
Weight (excl. Cable & Bracket)	0.446 kg	0.605 kg	0.631 kg
Mounting System	Specific mounting system supplied, adapted for M8		
Frequency	W-Band: 76-77 Ghz		
Operating Temperatures	From -40 °C to +60 °C		



References

- Option: 9 relay outputs board
- Order reference:
 - **TMB-13X LV:** 10-60 V DC / 8-30 V AC, 50-60 Hz
 - **TMB-13X MV:** 21-75 V DC / 15-53 V AC, 50-60 Hz
 - **TMB-13X HV:** 100-240 V AC, 50-60 Hz
 - **RELAY-BOARD-9C:** 9 relay outputs board



Directive 2014/53/EC