icoms
Better detection . Better mobility
An IRD Team Member

TMB-134

intersection

Radar for multi-lane intersection

THE TMB-134 IS AN "ALL-IN-ONE" MULTI-LANE MICROWAVE SENSOR FOR TRAFFIC SIGNAL REGULATION

- 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

SAVINGS ON BUDGETS FOR

- Road digging
- Security
- Intervention

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

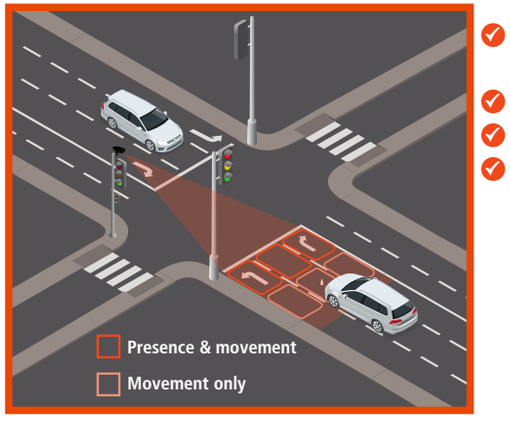
OPERATES UNDER ALL WEATHER CONDITIONS

Frost, snow, fog, etc. have no influence on the radar performance.

NO MAINTENANCE

No lens to clean, no calibration.

ADVANTAGES



- 1 single radar to replace up to 9 inductive loops
- Turn-right/turn-left detection
- Stop-line presence
- Protocol including position, speed and vehicles length

C&T TECHNOLOGY
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WHY AN ICOMS RADAR?

FIELD PROVEN AND RELIABLE

Thousands of ICOMS radars installed worldwide since 1993.

EASY TO USE & 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

TECHNICAL FEATURES

	TMB-134 L	TMB-134 M	TMA-134 H
Recommended configuration	Min. 14 m from stop-line (at the opposite side of the intersection)		
Number of detection zones	3 or 9 detection zones		
Detection direction	Approaching		
Detection range	Up to 70 m from the installation point		
Max. detected speed	99 km/h		
User input	Wifi with web-based graphical interface + USB via relay board		
User output	3 relays + RS-485 (TMB-334) - 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 x 99 x 151 mm	68 x 99 x 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		

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 relays output board

CE

STANDARDS

- Directive 2014/53/EU

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TMB-134

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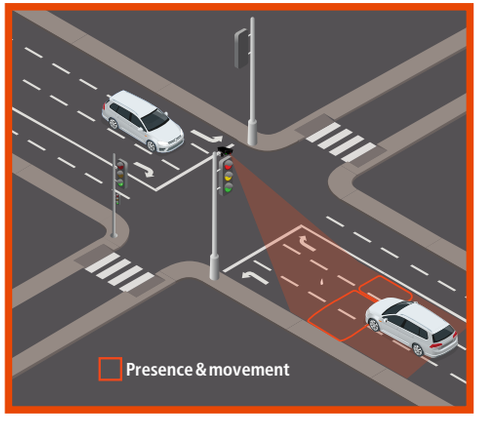
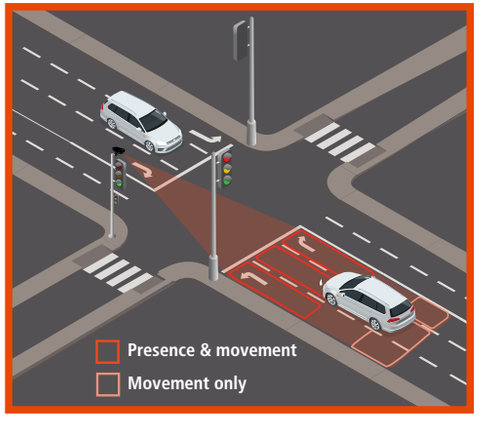
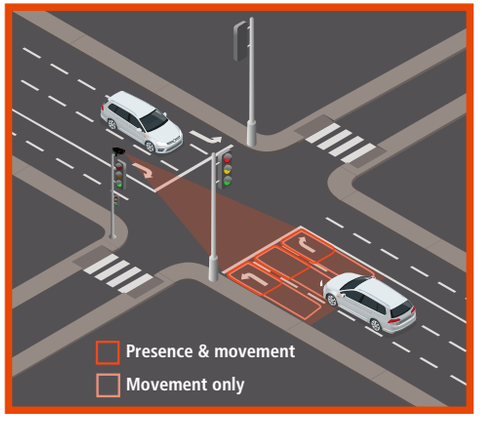
TYPICAL USE CASES



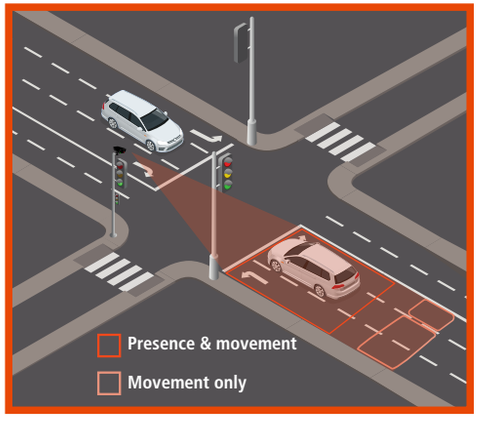
2 SCOOT zones at 65 m from the stop line (2 lanes and 1 lane)



- 3 presence & moving zones
- 2 UTC count logic loops
- 3 traffic phases



- 3 presence & moving zones
- 3 moving vehicle zones
- 3 traffic phases



- 1 presence & moving zone 40 m long
- 2 UTC count logic loops

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