



bikes



data collection

Manage the flow of bicycles

📶 The **TMA-3B3** collects and reports bicycle measurement data autonomously, anywhere, anytime.

- Mobile equipment
- Solar powered
- Wireless data reporting to the server



The assets 📶

- ✓ High level accuracy: 98 % in rush hour
- ✓ Ability to count bicycles in a group
- ✓ Non-intrusive
- ✓ Day and night equal performance

📶 The **TMA-3B3** combines a RADAR sensor with a LIDAR to provide an accurate counting of bicycles on bicycle paths. The data is stored locally and forwarded to the server using a connected modem.

ABOVE-GROUND TECHNOLOGY

- Safer for the traffic engineers, who can stay on the roadside for installation
- Less expensive: no roadworks nor traffic interruption needed for the installation

OPERATING UNDER ALL WEATHER CONDITIONS

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

NO MAINTENANCE

No calibration





Why an ICOMS RADAR?

FIELD PROVEN AND RELIABLE

Thousands of ICOMS RADARS installed worldwide since 1993.

USER FRIENDLY

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

Options

- Solar power, incl. solar panel, solar regulator and 12 V 100 Ah battery
- Wireless 3G data modem

Standards



The TMA-3B3 complies with the European Directive 2014/53/CE.

Lidar classified EN/IEC 60825-1 2014

TECHNICAL FEATURES

TMA-3B3	
Detection direction	Approaching and receding
Detection range	Up to 6 m
Max. bicycle path width	4 m
Max. detection speed	40 km/h
Min. radial speed for target validation	3 km/h
Dimensions (excl. mounting bracket)	L 68 x H 99 x D 150 mm (connector included)
Sensor weight	475 g
Mounting bracket weight	435 g
Environmental protection	IP65
Mounting system	Specific mounting system supplied, adapted for M8
Operating temperature	From -20°C to +60°C
Power supply	12-16 V DC
Consumption	130 mA @ 12 VDC, 20° C
Frequency	K-band - 24.165-24.235 GHz + LIDAR
Lidar wavelength	905 nm
User input	RS-232
User output	RS-232

Specifications subject to change without prior notice