



Bike Counter

Advanced group detection and total privacy: the non-intrusive solution for urban mobility



- ❖ **Comark Bike Counter** is a high-precision laser solution for detecting and counting cyclists and pedestrians, ideal for monitoring urban mobility and assessing green infrastructure impact.
- ❖ Accurately counts and differentiates bikes and pedestrians, with **direction detection** for a clear overview of traffic flows.
- ❖ **Non-intrusive solution** requiring no road works, minimizing installation time and costs.
- ❖ Optional **LTE connectivity** for seamless remote data management.
- ❖ Provides raw data for third-party systems or connects directly to the Tattile software interface for an all-in-one monitoring solution.

- ❖ **Laser technology** uniquely enables precise identification and counting of individual cyclists, pedestrians and e-scooters, even within groups.
- ❖ Ensures **full privacy and anonymity**, detecting only outlines without collecting personal data, fully compliant with privacy regulations.
- ❖ Designed for harsh environments, ensuring reliable operation with **minimal maintenance**.



BIKE COUNTER

Bike Counter

BIKE COUNTER	
Technical Features	
Classification	Bike, Pedestrian, E-scooter, Others
Size	216 x 151 x 105 mm
Weight	2 Kg sensor + 2 Kg bracket (4,4lb + 4,4lb)
Case	Stainless steel
IP Protection	IP65
Power Supply	12-24 Vdc
Power Consumption	6W (average). At low temperature 7W (average). Max 20W (power on)
Detection Distance	10 meters (32,8 ft)
Classification Distance	4m (13ft)
Temperature range	- 20°C, +50°C
Communication protocol	Serial RS485 (Ethernet from the control unit CO1010)
Laser Class	Class I
Connectors	4 pole cable connector - 5 meter cable included
Standard protocols	From the control unit: MQTT; UDP; FTP (for PCD file)
Wi-Fi	Optional
LTE	Optional

Available in three hardware configurations:

› Laser with Stand-alone Totem:

high-visibility, all-in-one solution for permanent bike path installations*.

› Display + Laser:

real-time feedback to citizens, encouraging sustainable mobility*.

› Laser Only:

compact, discreet sensor for integration into existing street furniture. This solution is composed by a LSR200BC laser and the CO1010 control unit.

**In both the Laser with totem version and the Laser with display version, the control unit is located inside the totem or display structure.*



Laser Head

Control Unit



Part Numbers

BIKE COUNTER	
F02710-000	Bike Counter with control unit (CO1010)
F02720-000	Bike counter with totem and double face display
F02730-000	Bike counter with double face 2-lines display