

SWARCO COMBIA – LANECOM

Traffic Signal

Sensors for the detection of road users

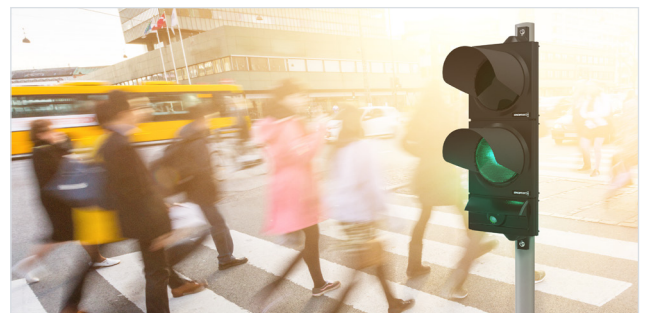


Intelligent traffic control for more efficiency and sustainability

Cities and communities are growing worldwide. Keeping traffic flowing as it grows is therefore becoming an ever greater challenge. The increasing variety of means of transport as well as changing modern lifestyles place new demands on traffic control. At SWARCO, we support cities and municipalities around the world in integrating new technologies and products and realising fundamental changes in mobility.

With LaneCom, a unit integrated in the COMBIA traffic signal, all road users – vehicles and vulnerable road users (VRUs) – are reliably detected and classified by means of a sensor directly at the intersection. Continuous real-time visibility and data collection enables effective intersection control to maintain traffic flow, reduce congestion, reroute traffic and provide timely traffic warnings. Continuous real-time visibility and data collection enables effective intersection control to maintain traffic flow, reduce congestion, reroute traffic and provide timely traffic warnings.

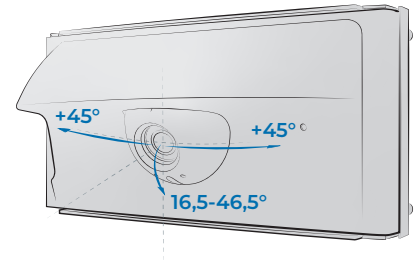
LaneCom T with integrated thermal image sensor is the right choice to effectively manage intersections, better protect vulnerable road users and collect detailed traffic data for more informed urban planning decisions. LaneCom V with the visual sensor provides detailed video images and traffic detection for more safety and efficiency in urban traffic.



LANECOM

PRODUCT ADVANTAGES

- Modern, uniform cityscape - LaneCom is an integrated component of the COMBIA traffic signal (no external applications necessary)
- Due to the integration in the COMBIA, the camera is in a perfect position for detection
- No influence of the measurement data on the traffic signal function
- The camera sensor is housed in a spherical housing to allow easy alignment
- Object detection of motor vehicles, cyclists and pedestrians as well as traffic data collection
- Thermal visualisation for detection of vulnerable road users (VRU)
- Visual detection of traffic flow
- Weather- and UV-resistant polycarbonate for a long life time
- LaneCom can be combined with other smart applications in one traffic signal
- LaneCom can be used individually with all COMBIA traffic signals 200 mm (CIWAY, CIFLOW, CILANE)



TECHNICAL FEATURES

		Field of View	Detection Distance for Vehicle Presence
Thermal imaging sensor	■ LaneCom T - 390	90°H x 69°V	0 - 60 m
	■ LaneCom T - 345	45°H x 35°V	10 - 80 m
	■ LaneCom T - 335	35°H x 27°V	20 - 100 m
	■ LaneCom T - 325	25°H x 19°V	30 - 125 m
Visual HD sensor	■ LaneCom V – Wide	2,8 mm	0 - 75 m
	■ LaneCom V – Narrow	8,0 mm	75 - 150 m
Electrical specifications	<ul style="list-style-type: none"> ■ Input power: 24-42 VAC / 24-48 VDC ■ Power consumption: 10.5 W / max 14 W 		
Communication	<ul style="list-style-type: none"> ■ 2 dry contact direct (1 N/O, 1 N/C) ■ 16 dry contacts (N/C) via TeledyneFLIR's optional TI BPL3 interface ■ Power over Ethernet (PoE) for configuration, video streaming and data communication ■ Powerline 30 Mbps broadband via TeledyneFLIR's optional TI BPL3 interface ■ Wireless IEEE 802.11 type b.g.n 		

