



## AtlanticFlexCompany BV

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## TECHNICAL SPECIFICATIONS

# ASS



### ACTIVE WARNING

Supports truck drivers in complex and critical traffic with a contextual warning cascade (visual and audible) to alert for the imminent risk of a collision during turning manoeuvres.

### RELIABLE OPERATION

Unaffected by challenging visibility conditions, caused by fog, sun glare and during the night, when vision-based systems fail in delivering the safety demanded.

### LOW POWER DISSIPATION

Since measurements occur within a fraction of a wavelength, no appreciable energy is radiated. In practice transmitted power is less than 1 mW.

### SUPERIOREMI IMMUNITY

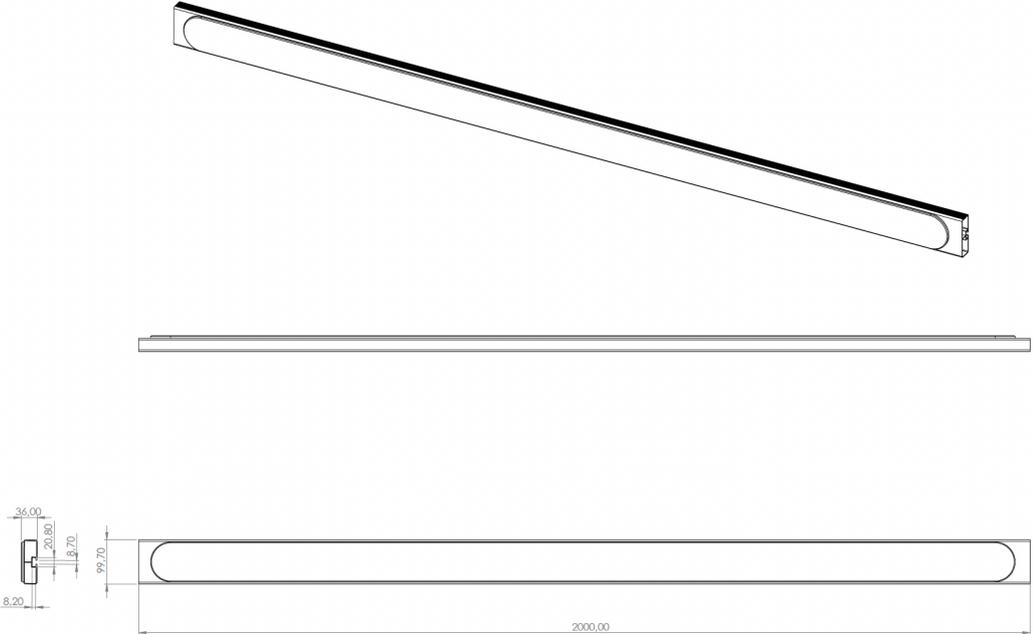
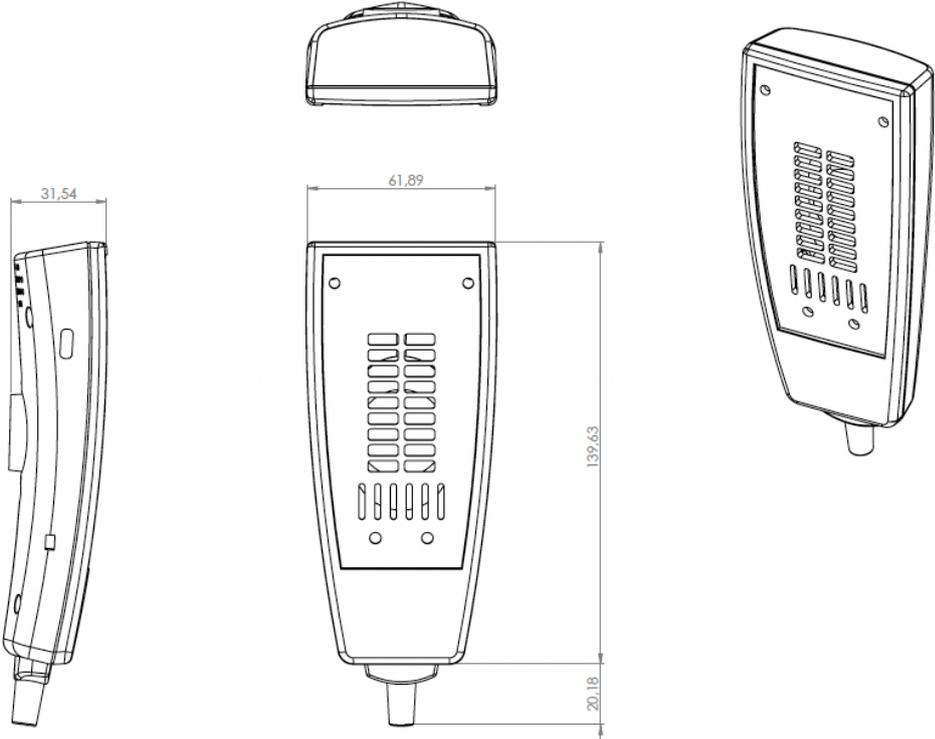
Phase-encoding and an innovative narrow-band front-end architecture ensure an unrivalled noise rejection.

### MAINTENANCE FREE

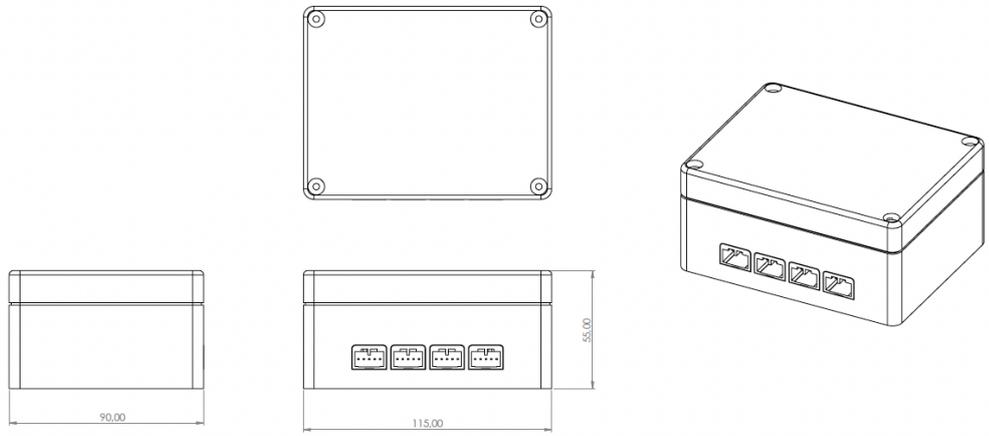
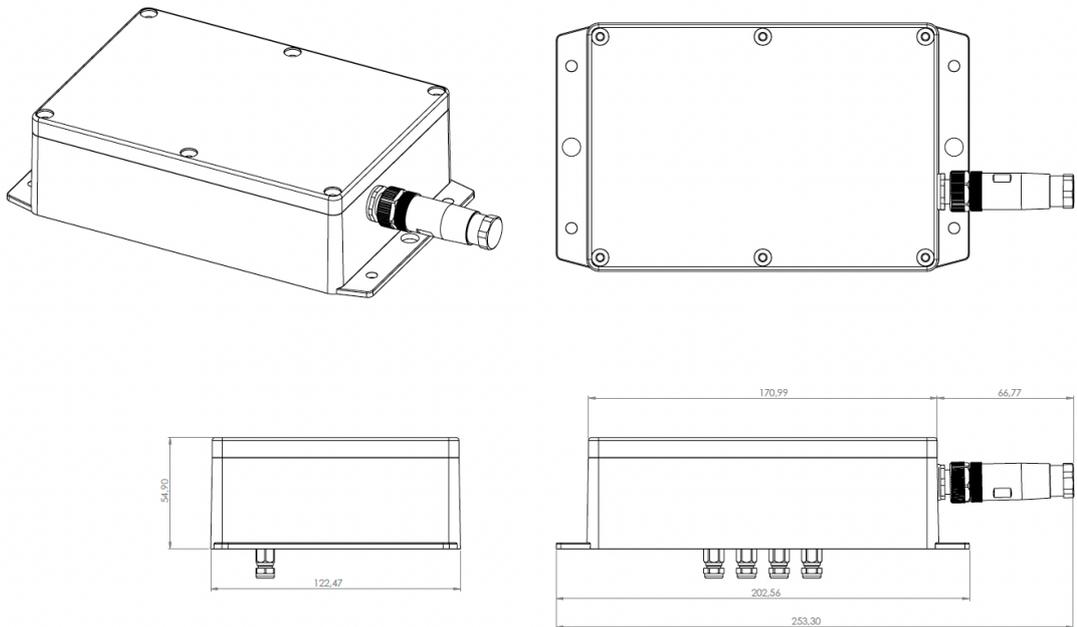
Coated with a water and dirt repellent hydrophobic nano coating Atlantic Smart Sensor strip-like sensor surface, to withstand even the most harsh operating conditions.

Technology	Near-field interaction with low-freq. electric field
Max. detection range	1.600 mm (lateral extending)
Opening angle	V: 90° Reaching down to road level H: 5°
Max. sensor mounting height	1.300 mm
Update rate	max. 100 readings/s
Human Machine Interface	Audible + visible (3-color LEDbar)
Rated voltage	24V DC $\pm$ 15%
Operating frequency	RF (centred @100 kHz)
Rated power	<100 mW (active comm.)
Transmitted power	<1 mW
Surge protection	ISO-16750-2 (24V) and ISO7637-2
Interfacing	CAN FD ISO 11898-2
Dimensions (sensor)	2.000 mm (L) x 100 mm (H) x 30 mm (W) Optional: 1.600 mm (L)
Weight	6.500 g (sensor)
Impact resistance	UNECE-R-58, EU2000/40/EC
Surface coating (sensor)	Nanoscopic hydrophobic coating (sensor)
Ingress protection	IP69 (EN 60529)
Temperature range	-40°C to +60°C
Maintenance	None (water & dirt repellent coating)



>	<p><b>1. SENSOR</b> ASSP2000mm+PC: Retrofit version 2 m, OEM L= on demand Width minimum 40 mm, thickness 1,6 mm</p>
	
>	<p><b>2. REMOTE CABIN UNIT V2.5</b> ASRCU</p>
	



>	3.	CONECTION BOX V3.45 CBOX_V3.45
		 <p>Technical drawings of the Connection Box V3.45 (CBOX_V3.45). The drawings include a top view, a front view, a side view, and a perspective view. The front view shows four RJ45 ports. Dimensions are provided: 90.00 (width), 115.00 (depth), and 55.00 (height).</p>
>	4.	SENSOR CONTROL UNIT SCU
		 <p>Technical drawings of the Sensor Control Unit (SCU). The drawings include a perspective view, a top view, a front view, and a side view. The front view shows four RJ45 ports and a connector. Dimensions are provided: 54.90 (height), 122.47 (width), 170.99 (depth), 202.56 (width to connector), 253.30 (total width), and 66.77 (depth to connector).</p>

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