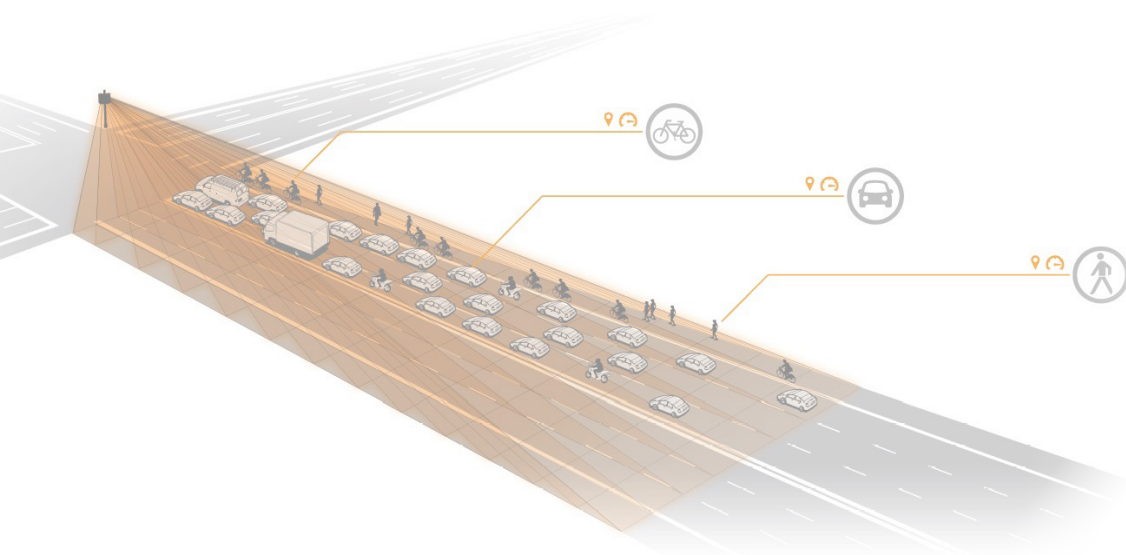




Traffic Management Sensor

UMRR-11 | 77 GHz Basic Line

- ✓ 4D/UHD resolution
- ✓ Maintenance-free
- ✓ Multi-lane, multi-object detection
- ✓ Detects moving and stopped traffic
- ✓ Replaces loops, outperforms video detectors
- ✓ Works in all weather conditions



UMRR-11 Type 132

PERFORMANCE

	Long-Range Mode	Medium-Range Mode
Operating Frequency	76 ... 77 GHz 4 center frequencies (bands)	76 ... 77 GHz 2 center frequencies (bands)
Resolution	4D measurement with UHD resolution	
Detection Range Passenger Car	175 m 574 ft	64 m 210 ft
Detection Range Truck	175 m 574 ft	64 m 210 ft
Detection Range min ... max	1 ... 175 m 3 ... 574 ft	0.5 ... 64 m 1.6 ... 210 ft
Range Separation	≤ 1.8 m ≤ 5.9 ft	< 0.7 m < 2.2 ft
Range Accuracy	< 0.5 m < 1.6 ft	< 0.25 m < 0.8 ft
Speed min ... max	-320 ... +320 km/h -199 ... +199 mph	
Speed Separation	< 0.26 m/s	
Speed Accuracy	≤ ± 0.13 m/s	
Number of Lanes	Up to 6	
Field of View Azimuth	-16° ... +16°	-50° ... +50°
Field of View Elevation	-7.5° ... +7.5°	
Angle Accuracy Azimuth	≤ 0.25°	≤ 0.5°
Angle Accuracy Elevation	≤ 0.5°	

MECHANICAL

Weight	274 g o 9.7 oz
Dimensions	95 x 84 x 26 mm 7 x 3 x 1 in + connector

GENERAL

Update Cycle Time	55 ms
Operating Voltage / Power Supply	8 ... 32 V / 5 W
Operating Temperature	-40 ... +85°C -40 ... +185°F
Interfaces	RS485 full duplex; Ethernet 10/100; 1x CAN V2.0b (passive)
Connector	Hirose LF10 series
IP	67

