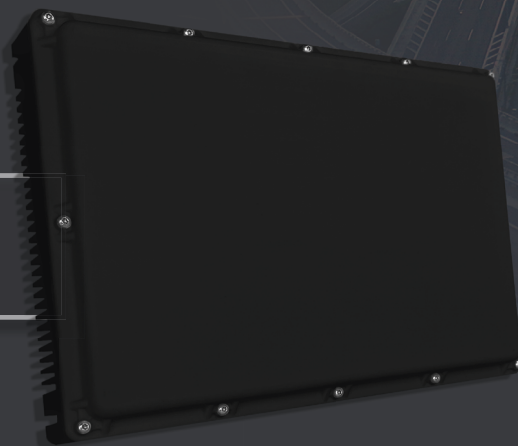


TRUGRD[®] LR | Premium Line

3D/ UHD+ RESOLUTION

Range of up to 500m | 1640ft



ULTRA-LONG RANGE SENSOR

- ✓ Detects moving and stopped traffic
- ✓ Reliable incident detection
- ✓ Fail-safe features
- ✓ Multi-lane, multi-object detection
- ✓ Maintenance-free
- ✓ Works in all weather conditions

RECOMMENDED FOR:



HIGHWAY
MANAGEMENT

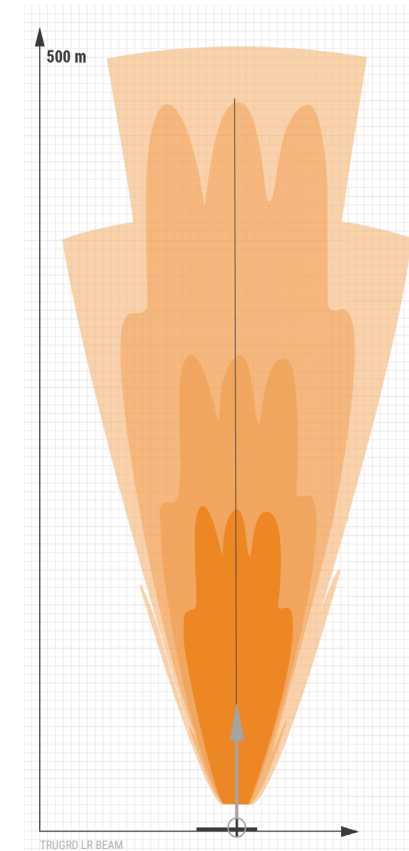


BRIDGE
MONITORING



TUNNEL
MONITORING

	TRUGRD [®] LR
PERFORMANCE	
Operating Frequency ¹	24.0 ... 24.25 GHz
Resolution	3D measurement with UHD+ resolution
Detection Range Pedestrian	229 m 751 ft
Detection Range Passenger Car	500 m 1640 ft
Detection Range min ... max	3 m...510 m 10 ft...1673 ft
Range Separation	4.8 m 15.74 ft
Range Accuracy	± 0.5 m ± 1.64 ft
Speed min ... max	-210...+210 km/h -130...+130 mph
Speed Separation	0.24 m/s
Speed Accuracy	< ± 0.1 m/s
Number of Lanes	Up to 8 lanes
Field of View Azimuth	-20...+20°
Field of View Elevation	-9...+9°
Angle Separation Azimuth	< 2.5°
Angle Accuracy Azimuth	< 0.25°
MECHANICAL	
Weight	1290 g 45.5 oz
Dimensions	213 x 155 x 32 mm or 8.4 x 6.1 x 1.3 in + connector
GENERAL	
Update Cycle Time ²	100 ms
Operating Voltage / Power Consumption	7...32 V / 9.5 W
Operating Temperature	-40...+80°C -40...+176°F
Interfaces	RS485 full duplex; Ethernet 10/100; 1xCAN V2.0b (passive)
Connector	Hirose LF10 series
IP	67



¹ In certain regions, frequency intervall starts at 24.05 GHz.

² Depending on the application - Speed Enforcement 50 ms; Intersection and Highway Management 100 ms.

