



RT-Backpack

Comprehensive ADAS testing solutions

The RT-Backpack is a vehicle-to-pedestrian tracking solution. Capable of tracking the position of pedestrians relative to a moving vehicle.

Suitable for use on OxTS ADAS testing solutions.

Key features

- / >500 m range line-of-sight (with RT-XLAN)
- / 1 cm positioning (dependent on RT model used)
- / Real-time
- / Precise measurements
- / Compact size
- / Portable



Why choose the RT-Backpack?



Complete pedestrian solution

/ The RT-Backpack is a complete turnkey target system in a backpack that can be carried and used to track pedestrians, cyclists and motorcyclists.



Simple, practical and highly accurate

/ The RT-Backpack can be set up quickly and requires no further user intervention once configured. The highly accurate RT-Series Inertial and GNSS navigation systems can be mounted securely on the frame inside.



Real-time measurements

/ The RT-Backpack feeds real-time measurements to the Hunter vehicle using Wireless LAN. The RT-Range Hunter then computes the measurements online and is able to output them over Ethernet or CAN bus.



Great addition to an existing RT-Range system

/ If you already have an RT-Range system for developing and testing Advanced Driver Assistance Systems (ADAS), you can now expand your tests to include car-to-pedestrian tracking.

Applications

- / For RT-Range ADAS testing solutions
- / Car-to-pedestrian
- / Car-to-motorcycle or cycle
- / Tracking of multiple pedestrians or motorcyclists possible
- / Suitable for use with the RT series of products.

Components included

- / RT-Backpack
- / Battery (Capable of 5 hours power)
- / Precision GNSS antenna
- / Wireless LAN radio
- / Battery charger

What is the RT-Range S and RT-Range?

The RT-Range S and RT-Range is a system that can measure the range from one vehicle to other vehicles in real-time and output its measurements on the CAN bus. It is used for the development and validation of Advanced Driver Assistance Systems (ADAS).

RT-Backpack specification

Battery	7 Ah battery
Positional accuracy	0.01 m RTK (dependent on RT model used)
GNSS Antenna type	GPS/GLONASS/L-Band, TNC, ground plane, L1/L2
Mass	~5.0 kg
Dimensions	340 mm x 270 mm x 180 mm

*Regional local wireless laws may apply to use the RT-XLAN - please check with your nearest channel partner.

*RT-XLAN specification

Input voltage	up to 24 V dc
Power	~7 W
Power method	Passive Power over Ethernet
Operating temperature	-40° to 80° C Suction Mount restricted to -10° to 45° C
Operating humidity	5 to 95 % condensing
Wireless LAN radio range	1 km line-of-sight
Wireless LAN delay	<10 ms RMS

For further information please contact OxtS or your nearest channel partner.



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