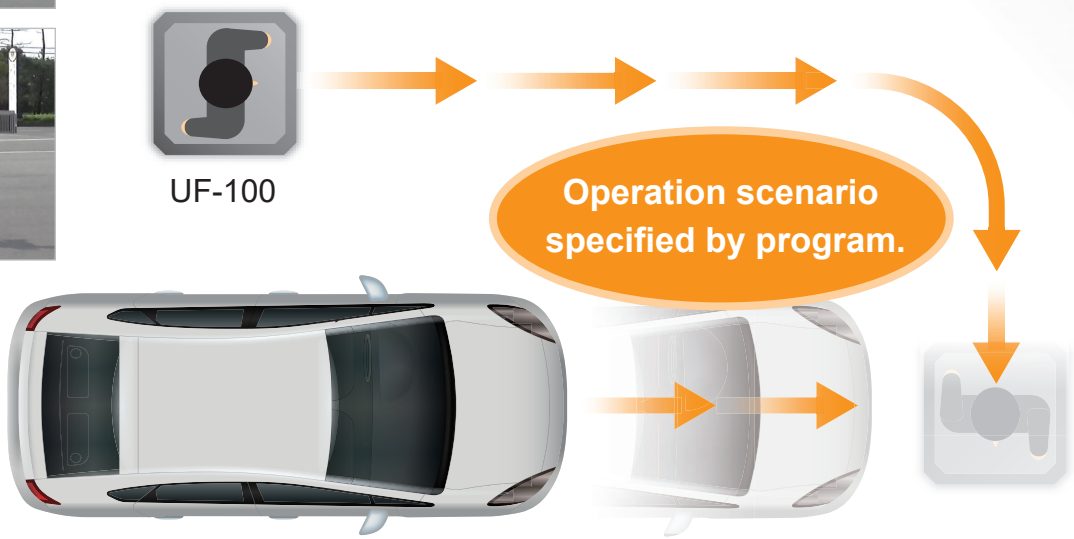
AEBS Performance Evaluation System UF-100

Nippon System Technology
NST

For safety evaluation of automobiles

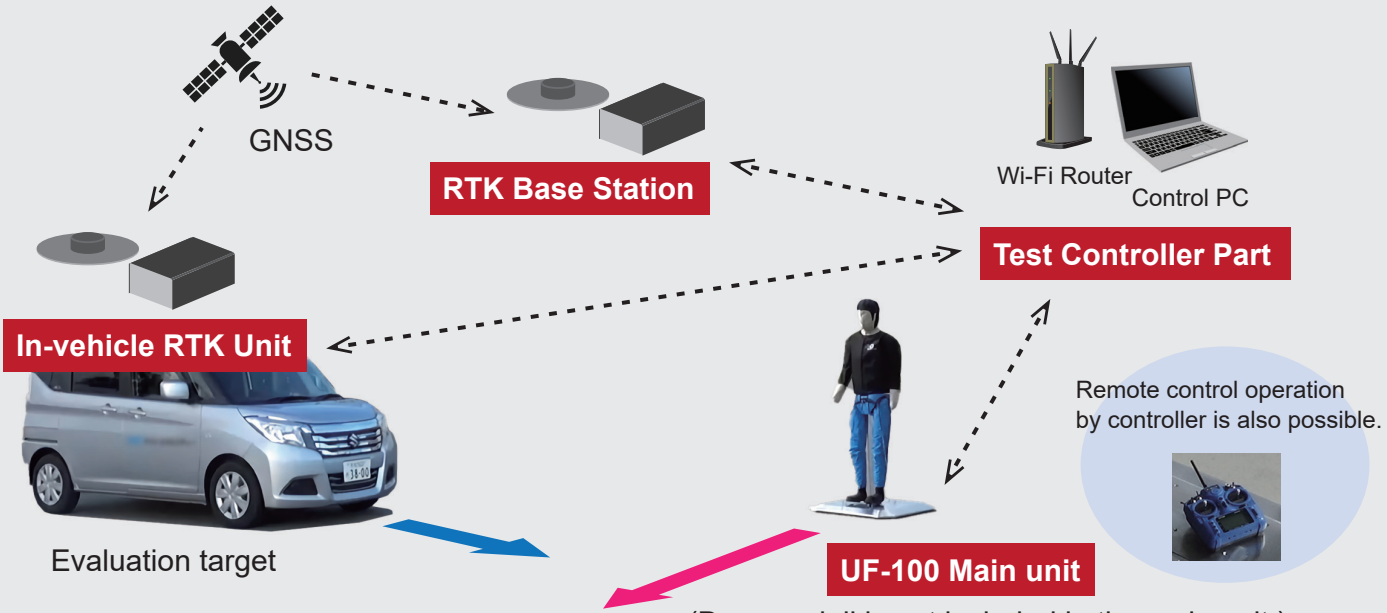
This device evaluates the performance of AEBS(Automatic Emergency Brake system) equipped in automobiles.
An operation scenario is set in advance, the positional information of the car and carrier* is acquired by GPS (RTK), and the carrier is automatically driven. Compared to the conventional rope type, it can handle various test conditions.
*carrier = UF-100 (equipped with a dummy doll/bicycle)

Equipped with Vulnerable Road User (VRU) on UF-100, it runs freely on the road surface.



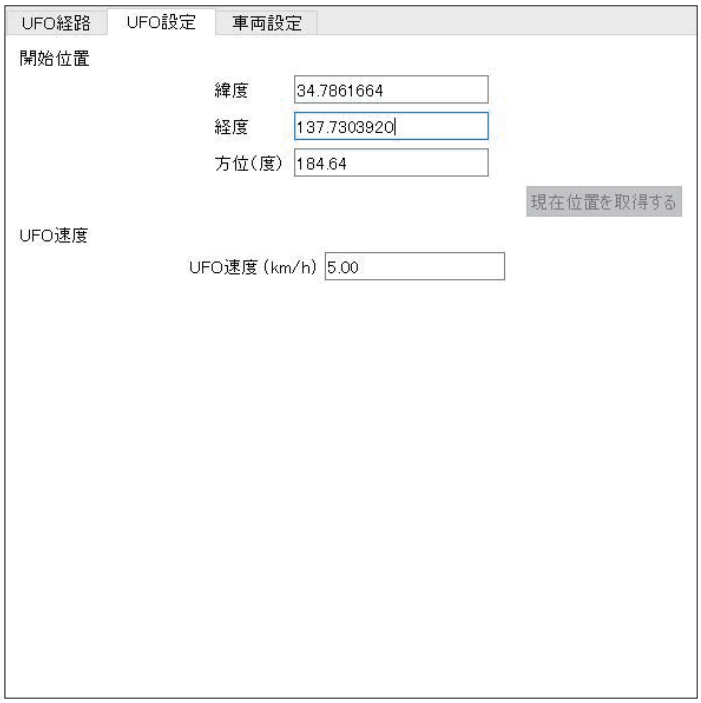
— BASIC CONFIGURATION —

Designation of driving route by PC.
Automatic start by determining the vehicle position by setting the in-vehicle RTK kit.

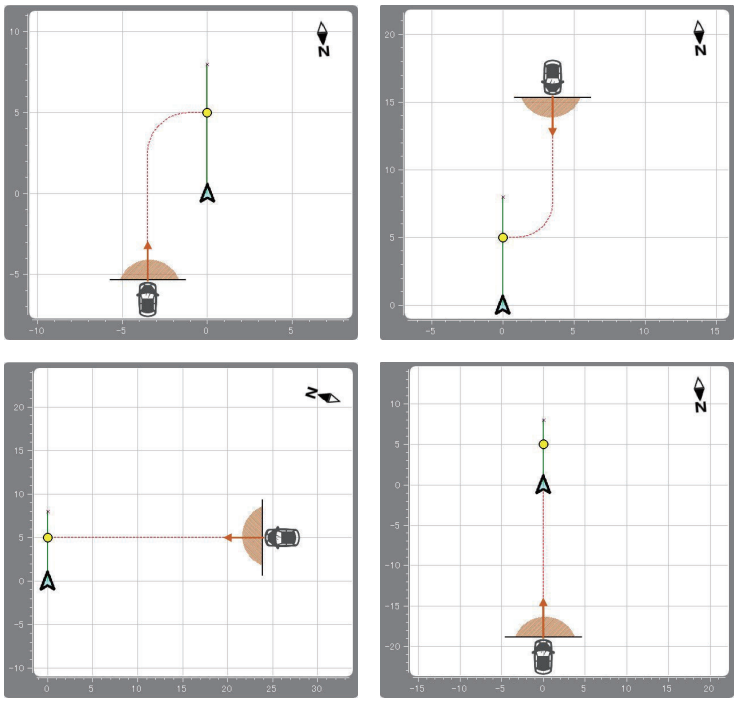


Setting screen

UFO setting screen



Route display screen

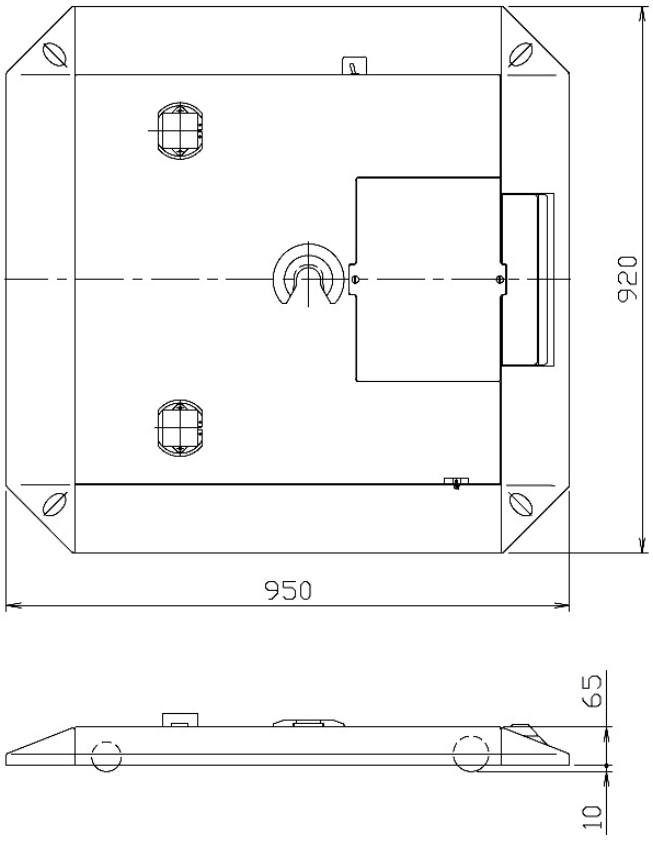


Specification

Item	Content
Target	pedestrian, bicycle
External dimensions	L950mm×W920mm×H65mm (Excluding protrusions)
Weight	40kg
Drive-Steering	2 wheel drive - 2 wheel steering
Structural material	aluminum
Maximum Speed	20km/h
Maximum loading weight	10kg
Riding load capacity	800kg
Battery	9.6Ah×2
Options	・RTK kit RTK reference station In-vehicle RTK unit UF-100 embedded unit PC Wi-Fi ・Wooden exterior ・Other means as per the customer's request

*Specifications are subject to change without notice.

External View



< Development / Manufacturing >

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