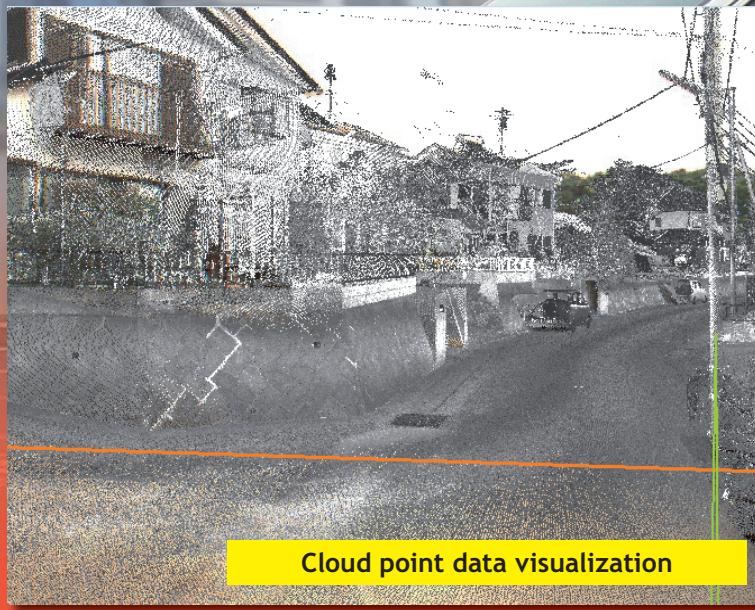




GeoMaster Neo

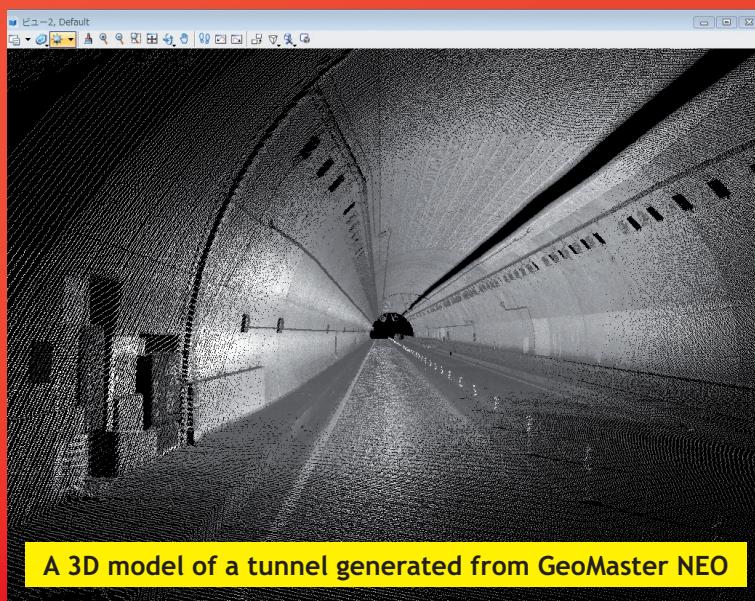
The definitive mobile LiDAR mapping system



WHAT IS GEOMASTER NEO?

GeoMaster NEO is a mobile mapping system that acquires 3D data as well as photographs. The system is composed of a LiDAR instrument, an odometer, a GPS/IMU unit and a 360° digital camera, which generates point cloud data and panoramic imagery. Given its portability, GeoMaster NEO can be mounted on vehicles such as cars and trains.

LOOK AT THE WORLD
WITH GEOMASTER NEO'S EYES



HIGH DEFINITION THREE-DIMENSIONAL DATA

GeoMaster NEO uses a high accuracy laser, which represents objects using a pseudo colour-coded point cloud according to the distance from the object to the laser. Our technology is employed in multiple fields such as disaster prevention, post-disaster rehabilitation and road management as well as planning. GeoMaster NEO can also be used inside tunnels or at night because it does not depend on daylight conditions. In addition, coloured cloud point data by combining colour camera images with cloud point data.



ASIA AIR SURVEY

MAIN BENEFITS OF GEOMASTER NEO:

- 1.** High accuracy GPS/IMU
(Inertial Measurement Unit)
- 2.** High density and wide range laser data
- 3.** 360° radius images
- 4.** Reflected intensity attributes



GeoMaster Neo mobile mapping system

TECHNICAL SPECIFICATIONS

PRODUCT NAME	GeoMaster Neo (Street Mapper)
MANUFACTURER	3D laser mapping
GPS / IMU	IGI (Germany) Heading : 0.01° RMS Roll/Pitch : 0.004° RMS
LASER	Riegl VQ-250 x 2 stand
SHOOTING RATE (MAX) DENSITY AT 40 KM/H	300 KHz (Scan rate 100Hz) 900 point/m ² (5m distance measurement)
MEASURING DISTANCE (MAX/EFFECTIVE)	500m / 100m
RANGING ACCURACY (1Σ)	10 mm
REFLECTED INTENSITY	Available (also in tunnels or dark areas)
DIGITAL CAMERA	1,230 million pixels 360° LadyBug 3 camera
COLOURED CLOUDS POINT DATA	Available
ABSOLUTE POSITION MEASUREMENT ACCURACY	<10 cm (from manufacturer's experiments)