

Integrated Mobile Laser Scanning System VMX-250



RIEGL Laser Measurement Systems announces serial production and prompt availability of the VMX-250 Mobile Scanning System which was first introduced at the INTERGEO Exhibition, Karlsruhe, 2009. The VMX-250 System consists of two RIEGL VQ-250 "Full Circle"-Laser Scanners, which combined can achieve 600,000 measurements per second, enabling a fast, efficient and highly accurate 3D mapping of highways, streets, railroads, and the like. The system configuration further comprises the latest, modular IMU/GPS unit.

The RIEGL technologies „Echo Signal Digitisation" and „Online Waveform Analysis" result in excellent multi-target detection, even of 3D data of objects which are obscured by physical entities in the foreground (fences, vegetation, etc.). This opens new capabilities

for the processing and transformation of the measured data into a 3-dimensional computer model.

„Effort for installation and starting up the VMX-250 is limited to a minimum. The compact and light design of the measuring unit allows it to be mounted onto any commercial car roof carrier, it is connected to the control unit (located inside the car) with a single cable, and can easily be operated via touchscreen" said Nikolaus Studnicka, RIEGL's International Sales Manager. The RIEGL VMX-250 proves itself through its unrivaled compact design and handiness, its user friendly workflow, and its seamless integration of the INS data. The digital interfaces of the VMX-250 System are prepared also for integration of a customer specified camera system.

The installed IMU sensor with its minimum export restrictions allows the RIEGL VMX-250 system to be delivered and operated practically worldwide.

RIEGL USA has booth number 1 at SPAR 2010 in Houston and gives a live demo of the VMX-250 mobile laser scanning system.