

Hydrographic Airborne Laser Scanner



RIEGL introduced the VQ-820-G Hydrographic Airborne Laser Scanner in September 2011. This device has been specially designed for combined land and hydrographic airborne surveying. The high-accuracy ranging is based on echo digitisation and online waveform processing with multiple target capability.

Laser range measurements for high-resolution surveying of underwater topography, the bottom of shallow waters and riverbeds, are carried out with a narrow, visible green laser beam at 532nm, emitted from a powerful laser source. Depending on water turbidity, this laser wavelength allows measuring into water.