

3D Laser Mapping Launches StreetMapper 2

3D Laser Mapping (United Kingdom) has launched StreetMapper 2, a new modular vehicle-mounted system for the rapid 3D mapping on and off road. Using lasers to 3D map assets and the terrain to millimetre accuracy at speeds of up to 70km an hour, StreetMapper 2 and has been designed as a portable system for equipping different types of vehicle.

When fitted to a standard 4 wheel drive vehicle StreetMapper 2 allows surveying off road, extending the scope of use beyond the highway. With easy-fit rack mounting and a roof rack suitable for any 4x4, 3D Laser Mapping is able to ship the system to any location allowing StreetMapper technology to be used worldwide for the first time.

The data collected by StreetMapper 2 is used to create a highly detailed 3D model of the street corridor and overhead features; information that can be used for road surface and safety inspections, terrain and industrial asset mapping, bridge height surveys and road width mapping for entire routes.

A further development of the original custom-built StreetMapper system, the latest version has also been developed in partnership with German firm IGI who special in navigation and precise positioning for aerial survey. StreetMapper technology involves a series of lasers that measure the position of features relative to the vehicle with an onboard computer that can process over 40,000 points per second. The system is calibrated so that each laser transmits its optical pulse at a known angle and uses satellite technology to calculate the exact real world position.

<https://www.gim-international.com/content/news/3d-laser-mapping-launches-streetmapper-2>
