

New Riegl LMS Z390



3D Laser Mapping (United Kingdom) has launched a new laser scanner designed for the acquisition of 3D images for architectural and building surveying, named the Riegl LMS Z390.

The Riegl LMS Z390 uses laser beams to record the position of features and surfaces with unrivalled speed, precision and repeatability making it an ideal tool for architectural, archaeological, heritage and engineering projects. The scanner also includes an integrated Nikon D200 12.3 Megapixel camera for the capture of digital images of the scene being surveyed, can be operated by any standard PC or Notebook and allows wireless data transmission for remote working.

3D laser scanners capture highly accurate and detailed surface measurements by transmitting optical pulses that are reflected from the surface or feature. Using the time taken for each individual pulse to be returned and the known value of the speed of light the system can accurately calculate the distance of the feature from the scanning unit.

The Riegl LMS Z390 can capture 11,000 measurements per second, at distances of up to 300 metres with a repeatability of less than 2 millimetres. The unit has a 360 degree field of view, is rugged and fully portable and was designed for the rapid and accurate acquisition of 3D images.

The Riegl LMS Z390 laser scanner is optimised for use with the PHIDIAS photogrammetric software suite. Designed for combined measurement in photogrammetric images and 3D point clouds from laser scanners, such as the Z390, PHIDIAS software enables the generation of highly accurate and detailed models.

[3D Laser Mapping](#) is the Riegl Premier Distributor for the UK, Ireland and sub-Saharan Africa.

Source: 3D Laser Mapping