

3DV SYSTEMS LTD.

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Website: www.3dvsystems.com
Year established: 1996
Contact person: Dr. Giora Yahav, Senior Vice President & R&D CTO

Type: Start-up company
Ownership: Private
Parent Organization: RDC - Rafael Development Corporation Ltd.

Core Business:
High precision 3-D laser camera

Total number of employees: 35
Scientists and engineers: 28

Overview:

3DV Systems Ltd. was established in 1996 aiming to become a leader in the three dimensional vision (3DV) global market. The building of a three-dimensional image and its manipulation is providing solutions for a variety of needs, notably: concept and feasibility studies, a wide range of CAD and CAE services, rapid prototyping, reverse engineering, architectural applications, medical technology applications, courtroom visualization, animation and virtual reality, product and component development and design, testing and analysis, vehicle modification and more.

The identified primary target markets for three-dimensional products are:

- * 3D model building,
- * TV studios,
- * Robotics vision,
- * Civil engineering,
- * Geographic Information Systems (GIS),
- * Medical,
- * Real time quality assurance.

This unique 3D laser camera captures a frame or movie (at a rate of over 30 frames per second) in a three-dimensional mode, with each pixel having the Z (depth or distance from the viewer) dimension. The camera allows to build and to manipulate a 3D structure, without lessening performance or requiring the use of a more powerful CPU.