



Triangulation Rangefinder

The technology of non-contact laser scanning is actively developing worldwide. Various industries and science demand new applications for laser scanners. For example, the development of cognitive technologies in robotics has led to further improvement of contactless control technologies.

Our main products

Triangulation Rangefinder

Principle of operation:

- The basis of the sensor is based on the principle of optical triangulation.
- The radiation of a semiconductor laser is focused by the lens on the object.
- The radiation scattered on an object is collected by a lens on a linear matrix. The signal processor calculates the distance to the object by the position of the image of the light spot on the linear matrix.



3iRange 1 possibilities

Triangulation rangefinder will determine the distance to the object, the offset relative to the meter in real time, the surface geometry



Contactless measurements of the distance to the objects.



High frequency measurements.



Measurements of minimum or maximum distance.



Integration with robots, machines, automatic production processes





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to the next level
