MODULAR PLATFORM FOR 3D CAMERAS FOR LASER TRIANGULATION

photon**3D** camera platform features:

- Designed for laser triangulation applications
- High-speed scan rate at up to 69 kHz
- LineFinder algorithm option: Secure single and multi-laser line detection, even with highly reflective materials
- Embedded technology with onboard pre-processing
- Laser triangulation of highly reflective materials
- Integrated encoder interface for numerous standard applications, also available as board-level camera models
- Board-level camera models are ideal for integration into your 3D triangulation systems

Photonfocus' innovative 3D camera technology offers completely new options for laser triangulation applications.

The photon3D platform is optimized to achieve high frame rates with high sensitive sensors. It offers robust FPGA algorithms to determine the laser line with our powerful LineFinder tool. These algorithms are optimized to suppress artifacts such as reflections and provide reliable recognition of single or up to four laser lines in a single scan. The triangulation algorithm calculates the line position of the four laser lines with 1/64 sub-pixel accuracy.

Thanks to Photonfocus' proven modular camera set-up, other sensors or preferred components can be implemented easily, or if needed, we gladly help with custom-design cameras.

With more then 20 years experience in the field of camera and CMOS sensor design, Photonfocus is a true pioneer in the field of machine vision and imaging.

Contact us and discuss your project with the modular camera experts!

More info on our website.
Scan or click on logo below.

photon3D

Contact

Photonfocus AG **|** Bahnhofplatz 10 **|** CH-8853 Lachen SZ **|** Switzerland
+41 55 451 00 00 **|** sales@photonfocus.com
www.photonfocus.com