



# **TOF>range 611 Miniaturized Range-finder**

### **FEATURES**

- 1 cluster pixel out of 8x8 pixel
- ✓ 0.05 15m range
- FOV 0.18° hor/ver (16 x 16mm at 5m) V Sunlight tolerant
- Up to 1'000 fps
- Light weight 12.5g only

- ✓ Low cost
- Low power consumption
- Easy to use
- Customized versions possible

#### **FUNCTIONAL DESCRIPTION**

The TOF>range 611 is a miniaturized and cost optimized range-finder. It is based on the ESPROS proprietary time-of-flight technology using the epc611 TOF chip and a small LED to illuminate the scenery. The range-finder controls the illumination and the imager chip to obtain distance and confidence information. Due to the high performance of the imager chip with its unique ambient light suppression, the range-finder can be used in outdoor applications at full sunlight. This allows a wide variety of new applications, e.g. for mobile robotics. This very small module is easy to use because it delivers fully calibrated and compensated distance values. All the complex engineering and time consuming design tasks regarding optics, illumination and signal processing are already solved.

#### **APPLICATIONS**

Gesture Recognition

In-cabin Monitoring

Humanoid and **Household Robots**  Doors and Gates

People Counting Industrial Automated **Guided Vehicles** 















#### **SPECIFICATIONS**



















# **MECHANICAL DIMENSIONS**





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## **CONTACT INFORMATION**

www.espros.com

Headquarters Switzerland US / Canada Sales Office

phone: +41 58 411 03 00 Phone: +1 336 837 882

email: sales@espros.com email: sales\_us@espros.com

espros.com email sales@espros.cn

China Sales Office

phone: +86 150 2112 2587