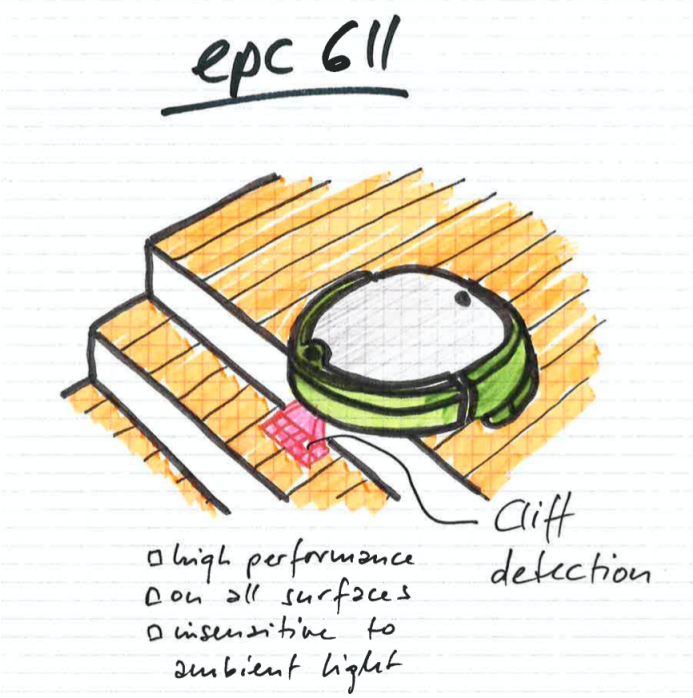
TOF>frame 611

Cliff detection with ESPROS' 3D time-of-flight imager

Today's best robot vacuums are full of high-tech features. Connected to WiFi they can be controlled by smartphone and even via a voice assistant. The combination of many sensors and software allows to drive around obstacles, map the rooms and plan the most economic cleaning path. For all this costly equipment falling down a stair or only tipping would be disastrous. With its TOF>frame 611 ESPROS offers the most efficient anti drop and anti bump sensor on the market. Based on cost-effective epc611 time-of-flight (TOF) imager it guarantees best performance in the dark as likewise under full sunlight conditions. The compact sensor design with integrated infrared illumination and fast communication interface allows an economic integration in modern consumer and industrial robots.



ESPROS TOF>frame611

Order on Digi-Key
or contact our international sales partners

About TOF>frame 611

The TOF>frame 611 is a miniaturized and cost optimized 3D TOF camera. 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 camera controls the illumination and the imager chip to obtain distance and confidence images. Due to the high performance of the imager chip with its unique ambient light suppression, the camera can be used in outdoor applications at full sunlight. This very small module is easy to use because it delivers fully calibrated and compensated 3D images. All the complex engineering and time consuming design tasks regarding optics, illumination and signal processing are already solved. Detailed features **here.**

Get in contact with us for further information!

Headquarter Switzerland
phone: +41 58 411 03 00
email: sales@espros.com

US / Canada Sales Office
phone: +1 336 837 8820
email: sales_us@espros.com

China Sales Office
phone: +86 150 2112 2587
email: sales@espros.cn