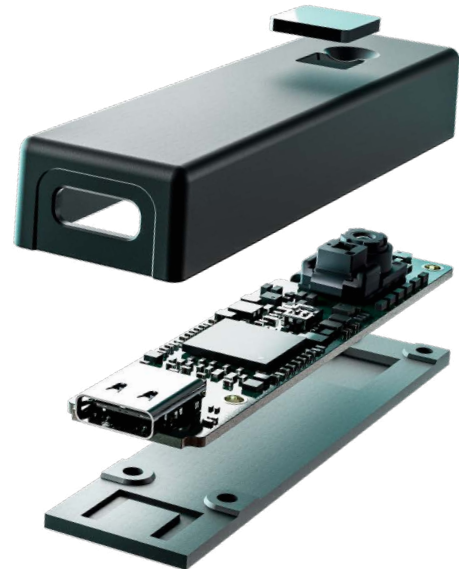


flexx2 VGA Development Kit

The pmd 3D Sensing Family gives you the flexibility to easily add 3D vision to your product. It works out of the box and has all the tools and software you'll need to start.

Introducing the flexx2 VGA Depth Sensing Kit - a cutting-edge peripheral that's bound to take your development projects to the next level. What sets this device apart from the rest is its state-of-the-art 3D ToF sensor, boasting an impressive 300k 3D pixels VGA resolution. With flexible working ranges, adjustable framerates, and reduced depth noise, this kit offers developers the perfect tool for uses cases that require high resolution depth data.



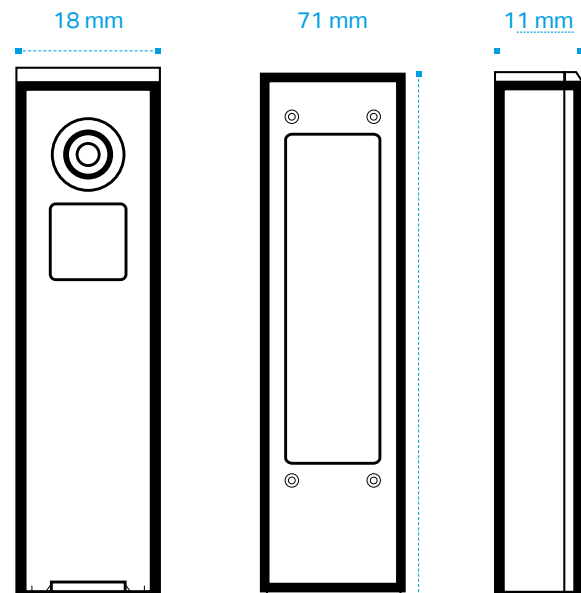
Features:

- pmd patented 3D Time-of-Flight Technology
- up to 18.4M 3D points per second
- 8.5m measurement range with incredible data quality
- Including powerful software suite

You can contact us at any time via



or visit 3d.pmdtec.com



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Encased, CE Certified, Laser Safety Certificate

Camera Data

ToF-Sensor	IRS2976C Infineon® REAL3™ 3D Image Sensor IC based on pmd technology
Resolution	640 x 480 pixels (300k)
Measurement range	0.1 – 8.5 m
Depth precision	< 1.5% of distance at <=6m, all operation modes
Viewing angle (H x V)	64° x 50°
Illumination	940 nm, VCSEL, Laser Class 1, 1.1W
Framerate	Up to 60fps (3D frames); 9 pre-defined operation modes
Power consumption	USB3.X compliant, min 400mW, max. 980mW
Interface	USB Type C (data & power)
Data Output	3D point Cloud and IR image
Operating temperature	0-40 degrees Celsius

Software Development Kit

Software	Royale SDK (C++ based, supports Matlab, Python, OpenCV, ROS 1/2)
Operating System	Windows 10/11, Android, Linux/ARM, macOS*

Dimension

Size	71 x 18 x 11mm
Weight	15g camera only without accessories

Conformity

CE	DIN EN61326-1:2013
RoHS	DIN EN63000:2018
Eyesafe	IEC60825-1:2014 Laserclass 1

*32Bit tested on Raspbian GNU/Linux 10 (Buster) Raspberry Pi 3 reference 2020-08-20 64Bit tested on Odroid C2 with Ubuntu Mate 16.04 ARM 64, macOS tested with Apple Silicon