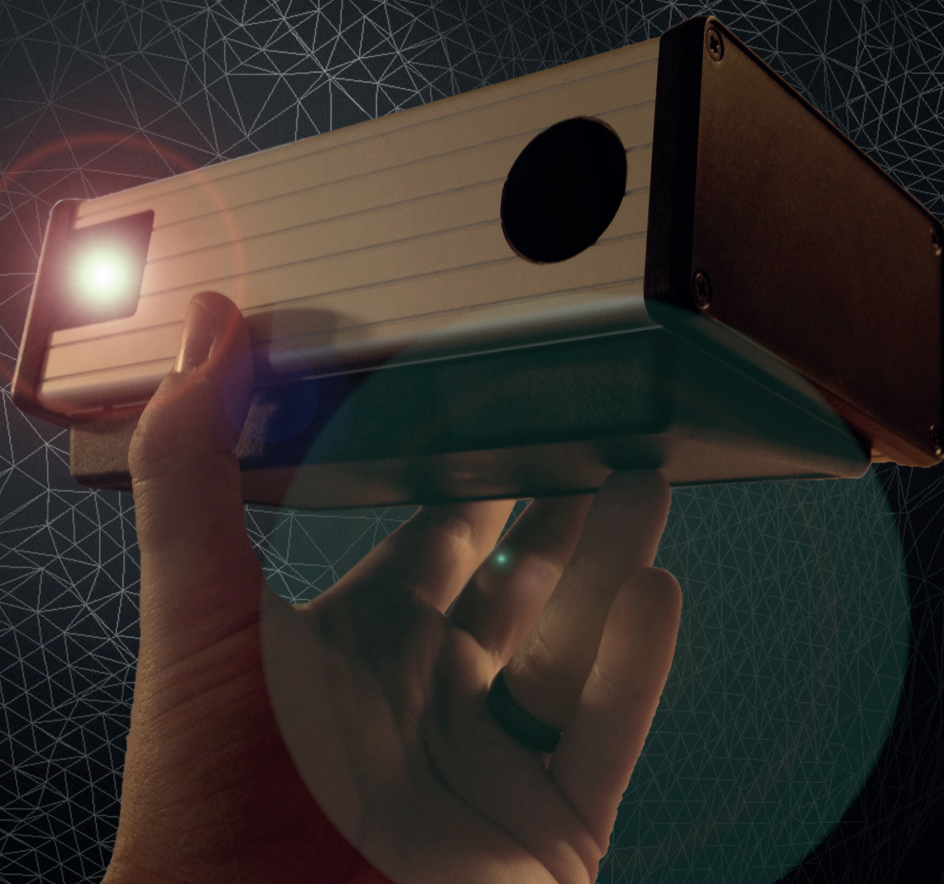


Real-time 3D Camera

ximea

quality of structured light • speed of time of flight

in partnership with



PhoXI

PhoXI - real-time 3D camera

PhoXI is a 3D camera based on a novel patent pending technology, which allows an unprecedented level of detail. It redefines the possibilities of 3D vision:

- Real per-pixel measurement thanks to unique method of sensing
- Extraordinary scanning range thanks to laser technology
- Efficient customizable projection system (different Wavelengths)
- Ambient light suppression
- Customizable FoV (5° - 90°)
- Power efficient
- Fast processing and low latency
- Adaptive scanning: possibility to select high-res or high-fps mode
- No Motion Blur
- Future-proof: Scalable to higher resolution

Specification:

Product	PhoXI Scan	PhoXI Cam	PhoXI Cam++
Technology	Structured Light	Multi-Image Sensing	Multi-Image Sensing
Depth Map resolution (independent measurements)	4M points ¹⁾	600k points	up to 2.7M points
Z accuracy (2 sigma) - 1m	up to 50 µm	<1 mm	up to 50 µm
3D point uncertainty volume when scanning 1m2 area	0.0125 mm3	1.7 mm3	0.0185 mm3
Short range scanning	possible	possible	possible
FPS	5 fps ²⁾	up to 60 fps	up to 60 fps
Data acquisition time	200 ms	16 ms	16 ms
3D points throughput	20 Million points per second	37 Million points per second	up to 162 Million points per second
Availability	pre-orders	coming	2016

Note 1: high-resolution (up to 20 Million 3D points) at special request

Note 2: stationary scene necessary



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What is xiLab?

Anything displayed with the reference „xiLab“ or in our xiLab space in our booth refers therefore to technologies and prototypes that are developed and functional, but where XIMEA does not commit on release, time lines or final appearance.

We are keen to learn the markets reaction to items displayed or exposed under this label.

Contact:

Please visit **ximea.com** for complete product information.

E-mail our sales team at **sales@ximea.com** for your price and further information.



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