

NERIAN SCENESCAN PRO

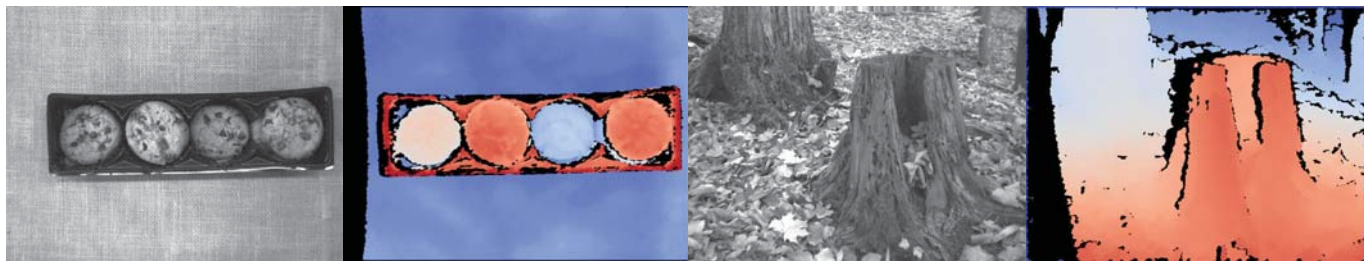
The **SceneScan Pro** is Nerian's latest 3D depth sensing solution. SceneScan Pro relies on stereo vision and hardware-accelerated image processing to gain a 3D understanding of an observed area, processed in real-time. The SceneScan Pro is recommended in a kit with the Karmin2.

Specifications include:

- Real-time processing
- FPGA
- 100FPS max
- 1856x1856 max image resolution
- 256 pixels max
- 3D point cloud
- Disparity map
- ROS support
- Auto recalibration process
- Weighs 400g
- Dimensions:
 - 104.5 × 105.5 × 45mm without mounting brackets
 - 104.5 × 130 × 45mm with mounting brackets
- Power supply of 11 - 14V DC
- Power consumption:
 - Less than 10W without supplying camera power
 - Up to 20W with supplying camera power



The SceneScan Pro. Recommend to be paired with the Karmin2 stereo camera.



Examples of depth measurement with the SceneScan Pro.

Disparity Range	Image Resolution			
	640 x 480	800 x 592	1280 x 960	1600 x 1200
128 pixels	100fps	65fps	24fps	15fps
256 pixels	70fps	45fps	15fps	10fps

Max frame rates for these recommended configurations.