



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:

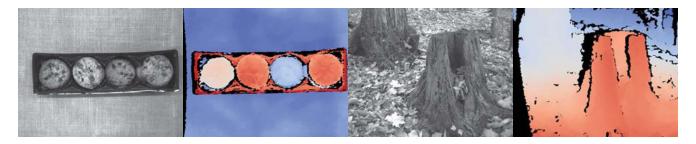
- · Real-time processing
- FPGA
- 100FPS max
- 1856 × 1856 max image resolution
- · 256 pixels max
- 3D point cloud
- · Disparity map
- ROS support
- · Auto recalibration process
- Weighs 400g



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

- · Dimensions:
 - $104.5 \times 105.5 \times 45$ mm without mounting brackets
 - $104.5 \times 130 \times 45$ mm with mounting brackets
- Power supply of 11 14 V DC
- Power consumption:
 - Less than 10W without supplying camera power
 - Up to 20W with supplying camera power

Examples of depth measurement with the SceneScan Pro



Max frame rates for these recommended configurations

| Disparity range | Image resolution | | | |
|-----------------|------------------|---------|------------|-----------|
| | 640×480 | 800×592 | 1280 × 960 | 1600×1200 |
| 128 pixels | 100 fps | 65 fps | 24 fps | 15 fps |
| 256 pixels | 70 fps | 45 fps | 15 fps | 10 fps |

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