

# 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.



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

## 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

## Dimensions:

- 104.5 × 105.5 × 45 mm without mounting brackets
- 104.5 × 130 × 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

## Contact Hexagon | AutonomouStuff

info.as.ap@hexagon.com +1 309.291.0966

For the most recent details of this product visit [autonomoustuff.com](http://autonomoustuff.com)

©2020 AutonomouStuff. All rights reserved. AutonomouStuff is part of Hexagon. All trademarks or servicemarks used herein are property of their respective owners. AutonomouStuff makes no representation or warranty regarding the accuracy of the information in this publication. This document gives only a general description of the product(s) or service(s) offered by AutonomouStuff, and, except where expressly provided otherwise, shall not form part of any contract. Such information, the products and conditions of supply are subject to change without notice.

Last updated 8 Oct 2020