Solscan
Multi-purposed 3D structured light scanner

Solscan 3D scanner is an affordable tool for users seeking to develop their own 3D vision applications. Based on DLP technology from Texas Instruments, Solscan has been deployed in industries as diverse as automotive, consumer products, e-commerce, logistics, footwear and electronics industries.

Advantages

- **High fidelity color scan**

  Solscan's dual RGB cameras make it easier to develop applications requiring color images, such as machine learning.

- **Supports GenIcam 3D standard**

  Point cloud data is converted to STL, PLY, OBJ format, and processed on popular 3D development software such as MVTec's Halcon.
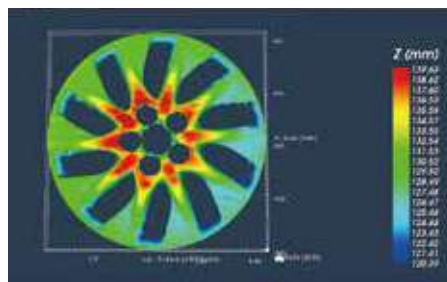
- **Proven scanner for 3D application development**

  Solscan has been deployed in numerous bin picking, vision guided robot, 3D inspection and measurement, 3D artifact preservation projects worldwide.

Applications

Object Recognition & Classification

Measurement

Pick & Place

Robot Guiding

Object Scanning

VR/AR 3D

Solscan

Specifications

Module Name	SLM 3DSCN-0231C	SLM 3DSCN-0501C
Pixels	2.3 M	5 M
Camera Resolution	1920 x 1200	2590 x 2048
Field of View ★★	231 x 178 ~ 1033 x 778 mm	310 x 269 ~ 1202 x 1120 mm
Working Distance ★★	450 ~ 2000 mm	
Spatial Resolution ★	0.24 ~ 1.07 mm	0.24 ~ 1.08 mm
Scanning Time	Minimum : 0.3 Sec	Minimum : 0.8 Sec
Scanning Technology	Structured Light Projection	
Projector Light Source	LED	
Interface	USB 3.0	
Dimensions	363 x 202 x 120 mm (L-W-H)	
Power	AC 100 ~ 240 V / 50 ~ 60 Hz	
Weight	3 kg	
Operating Temperature	0 - 40°C	

Hardware Requirements (Minimum) : Operating System Windows 10 (64 Bit), GPU Nvidia GTX 1070(RAM:8GB)

★★ Optional
★ The product is not applicable to the transparent objects or objects with over 50% light reflection rate.

User Applications

3D Dimensional Measurement	✓
Quality Inspection	✓
Object Recognition	✓
Pick & Place	✓
Mesh Generation	✓
Log File	✓
Export Formats	STL, PLY, OBJ, VRML, 3DS, FCS, TXT

Specifications subjects to change without notice.