

Sense™

Take your world from physical to digital with 3D scanning



Corcoran School of Art



University of South Florida

Powered by: 

Make Sense of 3D

Transform the way you work with the best-in-class Sense 3D scanner. Fast, easy, portable and practical, the Sense offers full-color 3D scanning for use in your home, school and business.

Academic Representative:



Technology Education Concepts

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Key Features

POWERED BY INTEL® REALSENSE™ TECHNOLOGY

The Sense is the first USB-powered handheld scanner to use the very latest short-range scanning technology from Intel, the RealSense SR300 3D camera. Using HD color cameras and a highly-sensitive infrared projector, the RealSense technology allows a closer scan range and higher resolution than previous generation devices.

STREAMLINE DESIGN PROCESSES WITH 3D SCAN DATA

Kick off faster and improved concept designs by incorporating rapid Sense scans of physical products into your design and CAD software. Choose from four key 3D file formats to save, communicate and use your scan data downstream.

BUILD 3D ARCHIVES, PRODUCT VISUALIZATIONS AND COMMUNICATE YOUR PRODUCTS

Rapidly archive and preserve artifacts, products and items as color 3D data and scan objects to begin design for 3D gaming applications. Post 3D scans to share with your peers or customers directly from the Sense software at SketchFab and Facebook.

CREATE YOUR CUSTOM PRODUCT LINES WITH 3D SCANS

Incorporate Sense scans to enable rapid product designs for custom-fit sporting goods, packaging and more by using customers' unique scan data in your design software.

STREAMLINE PRODUCTION PROCESSES

Easily create, design and 3D print jigs and fixtures using scan data to assist with production and machining processes. Enhance the value of 3D assembly manuals by including rapid and accurate 3D scan data from the shop floor.

SCAN AT HOME

Make your home hobbies more satisfying by including 3D scanning for your woodwork projects, hobbies and more. Miniaturize objects that you scan at full size for your custom RC cars and planes ready for 3D printing. Scan your family at memorable moments to be 3D printed in color.

SCAN ON THE GO

The Sense 3D scanner is light, highly portable and small enough to fit in your laptop bag so you can scan data wherever you are and bring it back to the office to complete and enhance your designs.

Scanner Properties:

Maximum power consumption:	5.0 VDC	Spatial x/y resolution @ 0.5 m:	0.9 mm
Scan volume Min:	0.2 m x 0.2 m x 0.2 m	Depth resolution @ 0.5 m:	1 mm
Max:	2m x 2m x 2m	Operating temperature:	10 °C - 40 °C
Dimensions:	17.8 cm x 12.9 cm x 3.3 cm	Data interface:	USB 3.0
Operating range:	Min 0.4m Max: 1.6 m	USB cable length:	2 m
Field of view:	Horizontal: 45° Vertical: 57.5° Diagonal: 69°	Maximal image throughput:	30 fps
Depth image size:	640 px (w) x 480 px (h)	Color image size:	1920 px (w) x 1080 px (h)

Hardware Specification:

Supported operating systems	Windows 10® (64-bit) and Windows 8® (64-bit)
Intel Core i5 processor or better (5th Gen or equivalent)	2 GHz or faster
RAM	4 GB minimum
Screen resolution	1280 x 1024 minimum
Available hard disk space	2 GB

MANUFACTURING THE FUTURE™



3D Systems Corporation

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