COMPACT S5

polyga

contact@polyga.com

www.polyga.com

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COMPACT S5 MACRO

The Compact S5 Macro is an industry ready 3D scanner that enables engineers to digitize parts 1 to 5 centimeters in size at 5 micron accuracy. It generates high-resolution 3D scans in under a second, and comes in a rugged enclosure.

Powerful features are accessible through the software SDK (SBSDK) which enables easy integration of the scanner into industrial automation or robotics systems.

5 MICRON ACCURACY

Each Scanner is calibrated and tested with NIST certified artifacts to ensure that every 3D scan returns metrology grade results.

EXTREME DETAIL

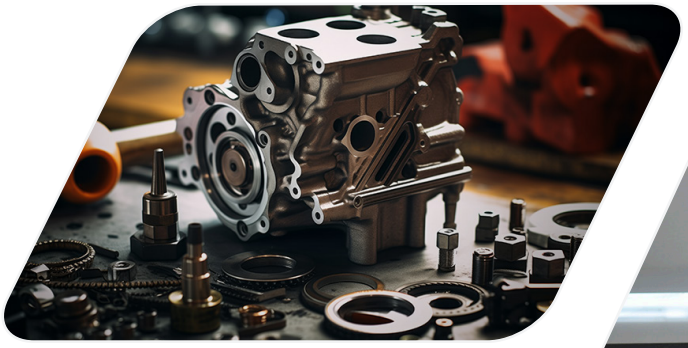
5MP cameras equipped with a short baseline reduces occlusion ensuring high resolution and reliable 3D scan data.

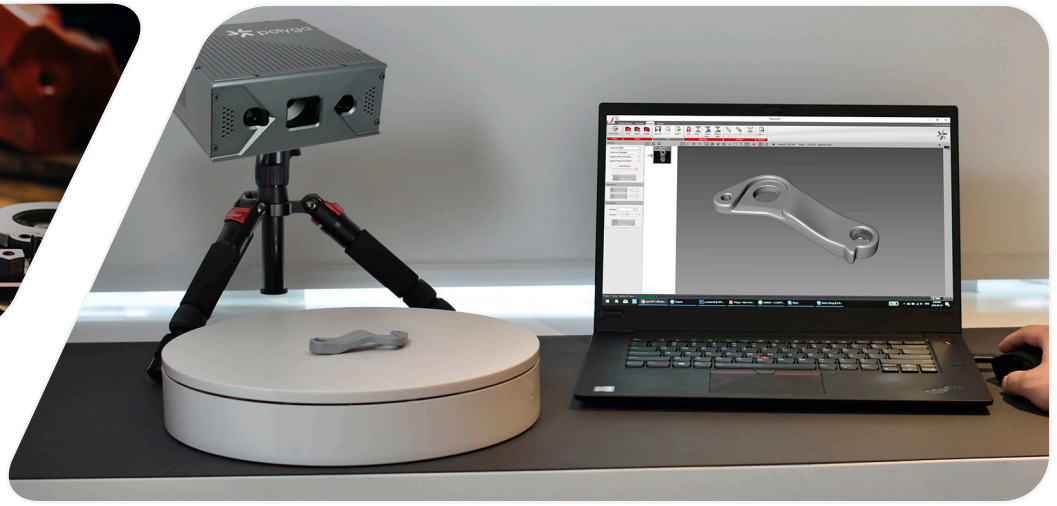
INSTANT SCAN

Capture 5 million points per scan in less than a second. The high scan speed enables you to quickly scan an entire object.

INDUSTRY READY

External Trigger support for seamless integration into industrial automation. Locking connectors provides secure port connections preventing accidental disconnection.





COLORSCAN TECHNOLOGY

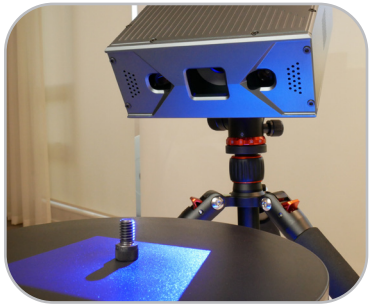
Capture highly accurate and realistic color textures. Get the accuracy of mono cameras while being able to capture color.

BUILT TO LAST

Constructed using aluminum alloy with a scratch-resistant finish, built for any industrial application that demands durability.

MULTI SENSOR SETUP

Control multiple scanners from a single PC. Easily integrate multiple scanners for an expanded field of view.



FLEXIBLE INTEGRATION

Tap into the full potential of the scanner using Polyga's SDK. It's enables anyone to develop their own scanning app to control any 3D scanners using C/C++/C#.

INDUSTRIAL MOUNTING OPTIONS

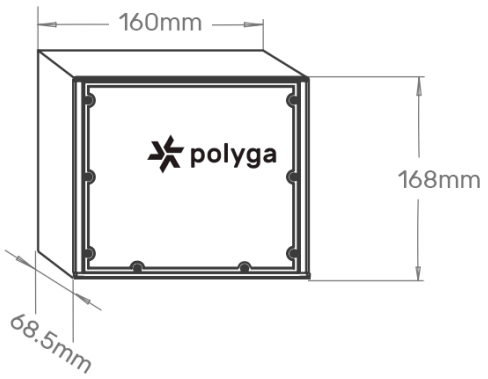
Multi-point mounting enables secure attachments for industrial automation such as robotic arms, linear motion and production environments.

Technical specs

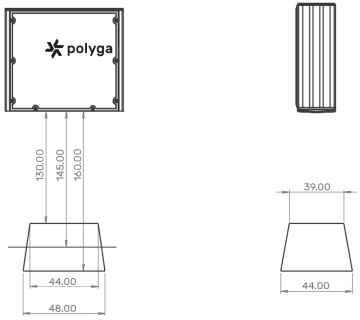
DIMENSIONS	Product dimensions	W = 160 mm H = 68.5 mm L = 168 mm
ACCURACY & RESOLUTION	Accuracy	5µm
	Point to point distance	0.021mm
	3D resolution, up to	Up to 5 million
FIELD OF VIEW	Standoff	130mm - 160mm
	Minimum field of view, D / H × W	130mm standoff 59mm / 39mm x 44mm
	Maximum field of view, D / H × W	160mm standoff 65mm / 44mm x 48mm
SCAN SPEED	3D reconstruction rate for real-time	250 ms
TEXTURE	Texture capture support	Yes
	Texture resolution	5.0 Megapixel
	Colors	Yes
	Photo texture support	Yes
PROJECTOR & CAMERA	Light projector	LED projector
	Capture camera	2 x 5.0 Megapixel cameras
CONNECTIVITY	Input / Output	USB 3.0

COMPUTER REQUIREMENTS	Support OS	Windows 10, 11 x 64. Not compatible with Netbooks or Macintosh computers.
	Minimum computer requirements	Any Intel Core or AMD Ryzen CPU with 16+ GB of RAM
		Dedicated DirectX 9.0c compatible GPU
FREE DISK SPACE	Recommended free disk space	1 TB or more; 7200 rpm
	Minimum free disk space	50 GB or more
OUTPUT FORMATS	3D mesh	3D3, ASC, OBJ, PLY, STL, FBX
POWER SOURCE	Power source	12V ⎓ 6A AC/DC Power

DIMENSIONS



FIELD OF VIEW



Top View *Side View*

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