COMPACT L6

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COMPACT L6

The Compact L6 is convenient and easy to use, this professional 3D scanner is factory calibrated for accuracy to get you 3D scanning in no time.

The Polyga Compact 3D scanners are great for any companies, manufacturers, academic institutions, visual effect studios, and research labs that need accurate and reliable 3D scan data for visualization and measurement applications.

EXTREME DETAIL

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

COLORSCAN TECHNOLOGY

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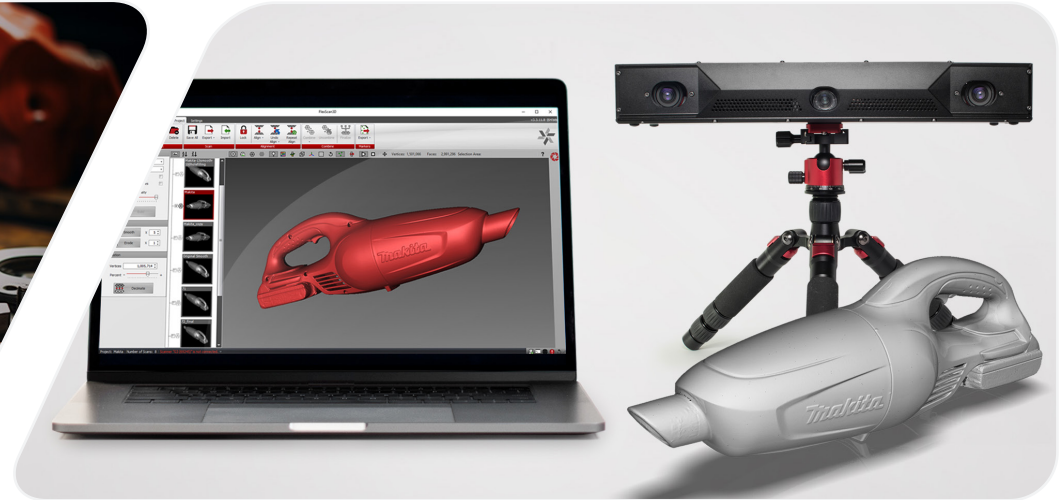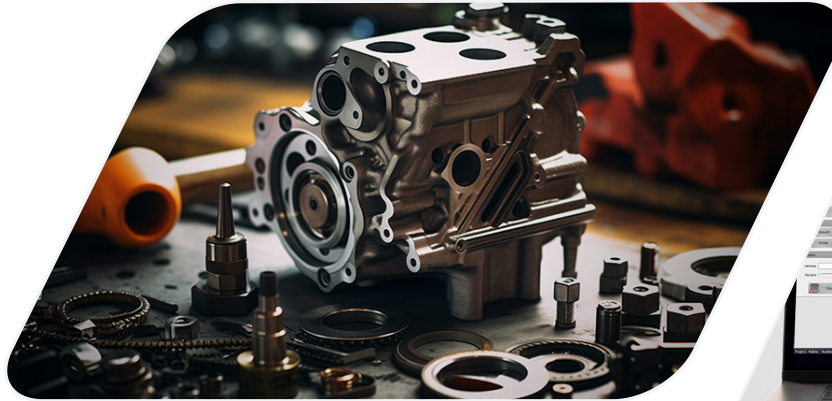
INSTANT SCAN

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.

BUILT TO LAST

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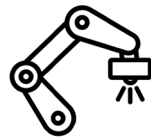
MULTI SENSOR SETUP

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.
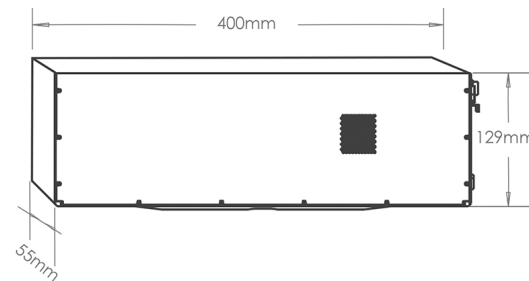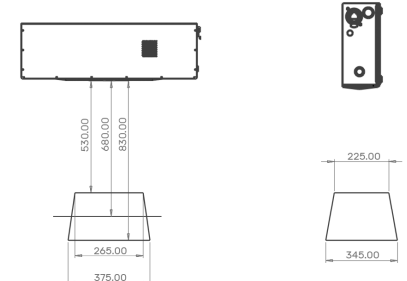
Technical specs

DIMENSIONS	Product dimensions	W = 400 mm H = 55 mm L = 129 mm
ACCURACY & RESOLUTION	Accuracy	80µm
	Point to point distance	0.18mm
	3D resolution, up to	3 million
FIELD OF VIEW	Standoff	530mm - 830mm
	Minimum field of view, D / H × W	530mm standoff 59mm / 225mm x 265mm
	Maximum field of view, D / H × W	830mm standoff 65mm /345mm x 375mm
SCAN SPEED	3D reconstruction rate for real-time	1200 ms
TEXTURE	Texture capture support	Yes
	Texture resolution	3.0 Megapixel
	Colors	Yes
	Photo texture support	Yes
PROJECTOR & CAMERA	Light projector	LED projector
	Capture camera	2 x 3.0 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 === 10A AC/DC Power

DIMENSIONS

400mm

129mm

55mm

FIELD OF VIEW

530.00
680.00
830.00

265.00
375.00

Top View

225.00

345.00

Side View