



HDI
COMPACT

HDI COMPACT 3D SCANNERS

Good Things Comes in Small Packages

The HDI Compact is a 3D scanning solution that combines the ease of use of a consumer-grade 3D scanner with the output of a professional 3D scanning system—capturing high resolution 3D scans at sub-micron accuracy. This turnkey system is small yet powerful, with a sleek solid aluminum body weighing less than 2 kilograms. It is a plug and play system, ready to use right out of the box within minutes of setup.

STUNNING QUALITY SCAN RESULTS

With the click of a button, the HDI Compact captures 3D scans containing approximately 1 to 5 million data points from real-world objects. The 5 megapixel model is ideal for 3D scanning extremely small objects with an impressive accuracy of up to 25 microns (0.025mm) per scan.

READY TO SCAN WITH SIMPLE SETUP

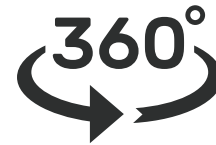


Simply connect the HDI Compact scanner, install the included FlexScan3D software on your computer, and the system is ready for scanning. No need to calibrate or recalibrate after scans, saving you time and improving on productivity.

HIGH SPEED BLUE LIGHT SCANNING

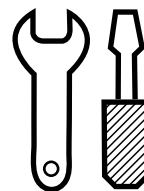
The HDI Compact is a non-contact measurement solution using blue LED structured-light technology. The system provides full field scanning at an ultrafast scan speed of a fraction of a second. It works great as a standalone desktop 3D scanner, integrating into systems, or embedding into devices.

AUTOMATING THE 3D SCANNING PROCESS



Eliminate the tedious process of manually scanning an object. Automating the 3D scanning process is especially a time saver when scanning similar objects in volume. Use a rotary turntable to revolve the scan target in 360 degrees. The HDI Compact captures the scans in minutes and merges them together to create a full digital 3D model. For larger fields of view, multiple scanners can be linked together using one computer to further reduce the scan time.

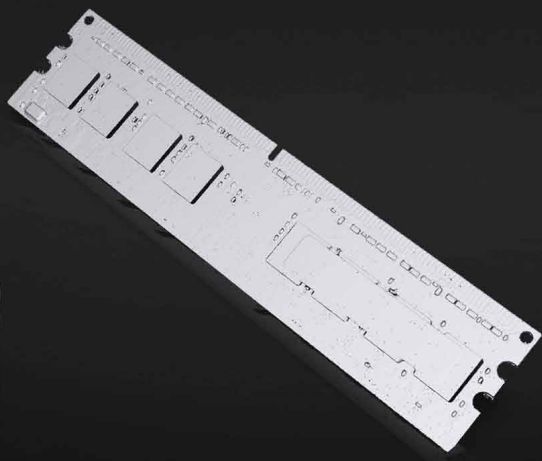
BUILT IN POST-PROCESSING CAPABILITIES



Process scan data at the capturing stage with FlexScan3D. The software has aligning, merging, and hole filling capabilities transform 3D scans into a complete digital 3D model. Export the output for use in applications including 3D visualization, reverse engineering, and quality inspection.



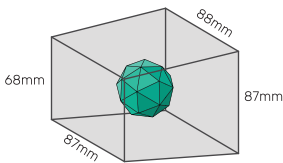
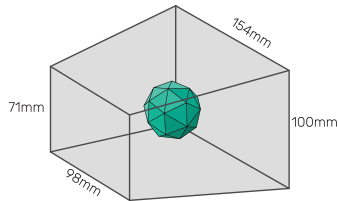
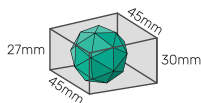
Dental Mold



Computer Memory Card



Metal Part

	HDI COMPACT C109	HDI COMPACT C210	HDI COMPACT C506
Cameras	2 x 1 monochrome megapixel cameras	2 x 2 monochrome megapixel cameras	2 x 5 monochrome megapixel cameras
Dimension (mm)	49 x 100 x 155	49 x 146 x 190	49 x 136 x 170
Weight (kg)	1.04	1.7	1.52
Scanning Software	FlexScan3D	FlexScan3D	FlexScan3D
Scan Speed (milliseconds)	300	250	333
Field of View (mm)	87 x 68 – 88 x 87 	71 x 98 – 100 x 154 	27 x 45 – 30 x 45 
Resolution			
Average Points	985,000 per scan	2 million per scan	5 million per scan
Average Polygons	1.97 million per scan	4 million per scan	10 million per scan
Point to Point Distance (mm)	0.08 – 0.10	0.06 – 0.09	0.020 – 0.025
Accuracy	Up to 34 microns	Up to 35 microns	Up to 12 microns
Clearance Distance	157mm	164mm	87mm
Geometry Formats	PLY, OBJ, STL, ASC, FBX, 3D3		
Computer Requirements	Windows 7 (64-bit) Operating System, Quad-core Intel 2 GHz CPU or better, 4 GB Memory or greater, 512 MB Video Card, Free disk space 250 GB Hard Drive or more		