

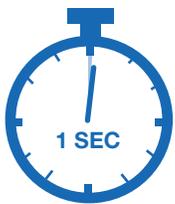


HDI ADVANCE 3D SCANNER R1x/R3x Models

Speed, Accuracy and Flexibility at an Affordable Price

The original models of the HDI Advance, R1x and R3x, are known for their performance and value. They use white light technology for capturing digital 3D scans from physical objects in seconds. These versatile systems are useful for manufacturers, visual effects studios, research labs, and academic institutions that need complex 3D measurements for various applications.

Fast Scan Speed with Full Field Scanning



The HDI Advance 3D scanner R1x/R3x model captures the full view of an object in approximately one second. Fast scan speed is useful for face and body scanning applications as people have difficulties staying still.

High Resolution and Accurate 3D Scans

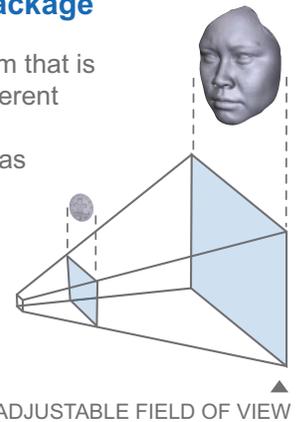
The 3D scanner uses a pair of machine vision cameras for capturing high resolution and accurate 3D scans. The R3x model captures a single scan at up to 45µm (0.0018") accuracy and generates up to 2.6 million points (5.2 million polygons) per scan.

Non-Contact Measurement

The HDI Advance 3D scanning system scans an object directly without any physical contact to ensure there is no measurement interference.

Flexible Scanning in One Package

The 3D scanner is a flexible system that is capable of scanning objects of different shapes and sizes by changing its field of view. The scanner's cameras can be placed in different preset slots to adjust the field of view. As your 3D scanning needs change over time, upgrade the hardware components to improve scanning performance and configure the system to match your precise needs.



Built in Post-Processing Capabilities



The HDI Advance 3D scanner provides post-processing capabilities for fast and simple operation. Align and merge 3D scans into a complete digital 3D model quickly without exporting to a separate post-processing software application.



HDI Advance R1x

HDI Advance R3x

	HDI Advance R1x	HDI Advance R3x
Cameras	A pair of 1.3 megapixel monochrome USB 3.0 cameras with 12mm lenses	A pair of 2.8 megapixel monochrome USB 3.0 cameras with 12mm lenses
Scanning Software	FlexScan3D	FlexScan3D
Scan Speed	1.3 seconds per scan	0.88 seconds per scan
Field of View	Adjustable field of view to scan objects of different shapes and sizes Preset: 165mm, 310mm, 455mm diagonal	Adjustable field of view to scan objects of different shapes and sizes Preset: 200mm, 400mm, 600mm diagonal
Resolution		
Average Points	1.1 million per scan	2.6 million per scan
Average Polygons	2.2 million per scan	5.2 million per scan
Point to Point Distance	165mm diagonal field of view: 0.1mm 310mm diagonal field of view: 0.2mm 455mm diagonal field of view: 0.3mm	200mm diagonal field of view: 0.075mm 400mm diagonal field of view: 0.165mm 600mm diagonal field of view: 0.250mm
Accuracy	165mm diagonal field of view: 65µm (0.0026") 310mm diagonal field of view: 115µm (0.0045") 455mm diagonal field of view: 125µm (0.0049")	200mm diagonal field of view: 45µm (0.0018") 400mm diagonal field of view: 75µm (0.0030") 600mm diagonal field of view: 105µm (0.0041")
Standoff	165mm diagonal field of view: 370mm 310mm diagonal field of view: 690mm 455mm diagonal field of view: 1040mm	200mm diagonal field of view: 370mm 400mm diagonal field of view: 690mm 600mm diagonal field of view: 1040mm
Geometry Formats	PLY, OBJ, STL, ASC, FBX, 3D3	
Color Texture	upgradeable to color	
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	

GoMeasure3D is an authorized distributor of the HDI Advance 3D Scanners.



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