

ZScanner® Specifications	ZScanner® 700	ZScanner® 700 CX	ZScanner® 700 PX	ZScanner® 800
Applications	Reverse Engineering, Design, Manufacturing, Digital Mockups, Simulations	Reverse Engineering, Design, Manufacturing, Digital Mockups, Simulations, Digital Archiving, Animation, Packaging, Medical Orthosis, Education, Cultural Heritage, Art Applications	Reverse Engineering, 3D Inspection, 3D scanning very large objects	Reverse Engineering, Design, Manufacturing, Digital Mockups, Simulations, 3D Inspection Applications
Weight	0.98 kg (2.1 lbs)	1.3 kg (2.85 lbs)	1.27 kg (2.80 lbs)	1.25 kg (2.75 lbs)
Dimensions	160 x 260 x 210 mm (6.2 x 10.2 x 8.2 inches)	172 x 260 x 216 mm (6.75 x 10.2 x 8.5 inches)	172 x 260 x 216 mm (6.75 x 10.2 x 8.5 inches)	171 x 260 x 216 mm (6.75 x 10.2 x 8.5 inches)
Sampling Speed	18,000 measurements per second	18,000 measurements per second	18,000 measurements per second	25,000 measurements per second
Laser	Class II (eye safe)	Class II (eye safe)	Class II (eye safe)	Class II (eye safe)
Number of Cameras	2	3	3	3
XY Accuracy	Up to 50 microns (up to 0.002 inches)	Up to 50 microns (up to 0.002 inches)	Up to 50 microns (up to 0.002 inches)	Up to 40 microns (up to 0.0015 inches)
Resolution	0.1 mm in Z (0.0039 inches in Z)	0.1 mm in Z (0.004 inches in Z)	0.1 mm in XYZ (0.004 inches in XYZ)	0.050 mm in XYZ (0.0019 inches in XYZ)
ISO	20 µm + 0.2 L / 1000	20 µm + 0.2 L / 1000	20 µm + 25 µm/m	20 µm + 0.1 L / 1000
Texture Resolution	N/A	50 to 250 DPI (user-configurable)	N/A	N/A
Texture Color	N/A	24 bits, sRGB-calibrated	N/A	N/A
Depth of Field	30 cm (12 inches)	30 cm (12 inches)	30 cm (12 inches)	30 cm (12 inches)
Exported File Formats	.DAE, .FBX, .MA, .OBJ, .PLY, .STL, .TXT, .WRL, .X3D, .X3DZ, .ZPR	.DAE, .FBX, .MA, .OBJ, .PLY, .STL, .TXT, .WRL, .X3D, .X3DZ, .ZPR	.DAE, .FBX, .MA, .OBJ, .PLY, .STL, .TXT, .WRL, .X3D, .X3DZ, .ZPR	.DAE, .FBX, .MA, .OBJ, .PLY, .STL, .TXT, .WRL, .X3D, .X3DZ, .ZPR
Regulatory Compliance	CE	CE	CE	CE
Data Transfer	FireWire	FireWire	FireWire	FireWire
Power Source	FireWire	FireWire	FireWire	FireWire
Laptop Compatibility	Intel®, Core™ 2 Duo processor, 2GB RAM, NVIDIA Quadro NVS 320M graphics (256 MB dedicated video memory) required with Windows Vista® Business or Windows® XP Professional	Intel®, Core™ 2 Duo processor, 4GB RAM, NVIDIA Quadro NVS 320M graphics (256 MB dedicated video memory) required with Windows Vista® Business 64-bit or Windows® XP Professional 64-bit	Intel®, Core™ 2 Duo processor, 4GB RAM, NVIDIA Quadro NVS 320M graphics (256 MB dedicated video memory) required with Windows Vista® Business 64-bit or Windows® XP Professional 64-bit	Intel®, Core™ 2 Duo processor, 4GB RAM, NVIDIA Quadro NVS 320M graphics (256 MB dedicated video memory) required with Windows Vista® Business 64-bit or Windows® XP Professional 64-bit