

ZScanner® Product Line



ZScanner® 600



ZScanner® 700



ZScanner® 700 CX



ZScanner® 700 PX



ZScanner® 800

Overview	Economical, handheld, portable, easy to use	Handheld, portable, easy to use, professional accuracy	Color, handheld	Large-scale, AICON photogrammetry, portable, easy to use	Benefits of ZScanner 700, plus 5X higher resolution
Applications	Design, manufacturing, cultural heritage	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	3D scanning very large objects, reverse engineering, 3D inspection	Reverse engineering, design, manufacturing, digital mockups, simulations, 3D inspection applications
Weight	0.98 kg (2.1 lbs)	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)	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	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)	Class II (eye safe)
Number of Cameras	2	2	3	3	3
XY Accuracy	Up to 80 microns (up to 0.003 inches)	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 (0.004 inches in Z)	0.1 mm in Z (0.004 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	50 µm + 250 µm/m	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	50 to 250 DPI (user-configurable)				
Texture Color	24 bits, sRGB-calibrated				
Depth of Field	30 cm (12 inches)	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	.DAE, .FBX, .MA, .OBJ, .PLY, .STL, .TXT, .WRL, .X3D, .X3DZ, .ZPR
Regulatory Compliance	CE	CE	CE	CE	CE
Data Transfer	FireWire	FireWire	FireWire	FireWire	FireWire
Power Source	FireWire	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, 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
Package Software	ZScan® Lite	ZScan®	ZScan®	ZScan®	ZScan®

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