

VIVID 9i - Specifications

Type	Non-contact 3-D LASER digitizer VIVID 910
Measuring Method	Triangulation light block method
Light-Receiving Lens (Interchangeable)	TELE: Focal distance f=25mm MEDIUM: Focal distance f=14mm WIDE: Focal distance f=8mm
Scan Range	0.6 to 1.0m (In Standard Mode) 0.5 to 2.5m (In Extended Mode)
Laser Scan Method	Galvanometer-driven rotating mirror
X Direction Input Range (In Extended Mode)	TELE 198 to 463 mm MIDDLE 165 to 823 mm WIDE 299 to 1495 mm
Y Direction Input Range (In Extended Mode)	TELE 69 to 347 mm MIDDLE 124 to 618 mm WIDE 224 to 1121 mm
Z Direction Input Range (In Extended Mode)	TELE 26 to 680 mm MIDDLE 42 to 1100 mm WIDE 66 to 1750 mm
Accuracy (X,Y,Z)	+/- 0.05 mm (Using TELE lens at a distance of 0.6 m, with Field Calibration System, Konica Minolta's standard, at 20°C)
Precision (Z,Typ.)	+/- 0.008mm (Using TELE lens at a distance of 0.6 m, Konica Minolta's standard, at 20°C)
Input Time (per scan)	2.5 sec
Transfer Time to Host Computer	Approx. 1.5 sec
Ambient Lighting Condition	Office Environment, 500 lux or less
Imaging Element	3-D data: 1/3-inch frame transfer CCD (340,000 pixels) Color data: 3-D data is shared (color separation by rotary filter).
Number of Output Pixels	3-D data/Color data: 640 x 480
Output Format	3-D data: Konica Minolta format & (STL, DXF, OBJ, AXCII points, VRML) (Converted to 3-D data by the Polygon Editing Software/standard accessory Color data: RGB 24-bit raster scan data)

Date File Size	Total 3-D and color data capacity: 3.6MB per data
Viewfinder	5.7-inch LCD (320 x 240 pixels)
Output Interface	SCSI II (DMA synchronous transfer)
Power	Commercial AC power 100 to 240V (50 to 60Hz), rated current 0.6A (when 100Vac is input)
Dimensions	221 (W) x 412 (H) x 282 (D) mm
Weight	Approx. 15kg (with lens attached)
Operating temperature/humidity range	10°C to 40°C, relative humidity 65% or less with no condensation
Storage Temperature/Humidity Range	0°C to 40°C, relative humidity 85% or less (at 35°C) with no condensation
Regulatory Approvals	UL 61010A-1, CSA-C22.2 No.1010-1, etc