

# Artec L™ 3D Scanner

## Specifications



### Hardware specifications

|  |                               |
|--|-------------------------------|
| Ability to capture texture                 | No                            |
| 3D resolution, up to                       | 1.0 mm                        |
| 3D point accuracy, up to                   | 0.2 mm                        |
| 3D accuracy over distance, up to           | 0.15% over 100 cm             |
| Texture resolution                         | n/a                           |
| Colors                                     | n/a                           |
| Light source                               | flash bulb (no laser)         |
| Working distance                           | 0.8 – 1.6 m                   |
| Linear field of view, HxW @ closest range  | 598 x 459 mm                  |
| Linear field of view, HxW @ furthest range | 1196 x 918 mm                 |
| Angular field of view, HxW                 | 41 x 32°                      |
| Video frame rate, up to                    | 15 fps                        |
| Exposure time                              | 0.0002 s                      |
| Data acquisition speed, up to              | 288,000 points/s              |
| Dimensions, HxDxW                          | 353 x 114 x 70 mm             |
| Weight                                     | 2.3 kg / 5.1 lb               |
| Power consumption                          | 12V, 36W                      |
| Interface                                  | 1x USB2.0                     |
| Calibration                                | no special equipment required |

### Software Specifications

|                               |  |
|-------------------------------|--|
| Multi core processing         | Yes  |
| Output formats                | OBJ, STL, WRML, ASCII, AOP, CSV, PLY                                 |
| Processing capacity           | 40'000'000 triangles/1GB RAM   |
| Supported OS                  | Windows Vista x64. Windows 7 x64                                     |
| Minimum computer requirements | Intel Core Quad (I5 or I7 recommended), 8Gb RAM, NVIDIA GeForce 9000 |
| Stereo Support Requirements   | NVIDIA Quadro or better  |