

Artec Spider II

Ultra-high resolution target-free handheld 3D scanner

 Artec 3D



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Specifications



| Resolution & accuracy | |
|--|-----------------------|
| Resolution, up to | 0.05 mm |
| Accuracy, up to | 0.05 mm |
| 3D accuracy over distance, up to | 0.05 mm + 0.3 mm/m |
| Scanning range | |
| Size of scanning object/area | S-M |
| Working distance | 0.19 – 0.3 m |
| Volume capture zone | 1,800 cm ³ |
| Linear field of view H×W @ closest range | 128 × 104 mm |
| Linear field of view H×W @ furthest range | 171 × 152 mm |
| Depth of field | 110 cm |
| Speed | |
| 3D reconstruction rate for real-time fusion, up to | 30 fps |
| Data acquisition speed, up to | 8 mln points/s |
| Scanning algorithms | |
| Target-free technology | Yes |
| Hybrid geometry and texture tracking | Yes |
| Texture | |
| Texture resolution | 5 MP |
| Colors | 24 bpp |

| Hardware | |
|---------------------------------|--|
| Scanner type | Handheld |
| Power source | AC / DC power adapter, DC 24V |
| Interface | Thunderbolt 3, compatible with Thunderbolt 4 hosts |
| 3D structured-light source | 450 nm LED |
| Texture illumination source | White LED CRI > 95, color temperature 4000 K |
| Dimensions HxDxW | 187 × 156 × 118 mm |
| Weight | 0.95 kg / 2.1 lbs |
| Warranty | 2 years |
| Compatibility | |
| Supported OS | Windows 10 (x64), Windows 11 |
| Recommended computer parameters | 13th or 14th Gen Intel Core i7 or i9 processors, RTX 4070 8 GB |
| Minimum computer requirements | 12th Gen Intel Core i9 processor, RTX 4060 8 GB |
| Output formats | |
| 3D mesh | OBJ, PLY, WRL, STL, AOP, ASC, PTX, E57, XYZRGB |
| CAD | STEP, IGES, X_T |
| Measurements | CSV, DXF, XML |

Artec Spider II is a new product, and as with all Artec products, we are continuously working to improve and enhance its performance. This ongoing development may over time lead to updates or changes in the scanner's specifications. Artec 3D reserves the right to update these specifications as we enhance the scanner's capabilities and scan quality. If any significant updates occur, customers will be promptly notified.



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