

Portable and highly accurate 3D scanning

For engineers, industrial designers and metrology Professionals

Created specifically for engineers and CAD Artec Space Spider is one of the designers. The most accurate and high resolution handheld Commercially available structured light 3D scanners. that Excellent at capturing small industrial objects. compressor, zipper, ScreWs, and any small complex surfaces 100% accuracy is required. From reverse engineering to quality From testing, AR/VR to medical care and professionals Select all kinds of space spiders very accurate measurements, Versatility, and extremely easy to use.

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reverse engineering

- Product design
- Customize
- 3D documents



art and design

- Heritage preservation
- Architecture
- CGI
- fashion



health care

- Orthopedics
- Prosthetics
- Plastic surgery
- Custom wheelchair



science and education

- research
- training
- Online museum



industrial design and manufacturing

- Reverse engineering
- Quality control
- Rapid prototyping
- Aerospace

fast scan speed

7.5fps

Achieving high accuracy doesn't have to be time consuming. Artec Space Spider processes up to 1 million points per second.

High 3D point accuracy

0.05mm

Create detailed, highly accurate 3D models of small industrial objects or parts of large objects



Impressive 3D resolution

0.1mm

Capture the shape of your items with incredible accuracy. Space Spider can even render the ridges of a fingerprint and pick up that much detail.

texture resolution

1.3 megapixel

Create a full-color 3D replica of your object

| Technical specifications | |
|---|---------------------------------|
| 3D point accuracy, to | 0.05mm |
| 3D resolution, to | 0.1mm |
| 3D accuracy over distance, to | 0.05mm/0.3mm/m |
| Working distance | 0.2-0.3m |
| straight field of view, HxW @ close range | 90x70mm |
| straight field of view, HxW @ farthest distance | 180x140mm |
| viewing angle, height x width | 30x21° |
| Ability to capture textures | yes |
| texture resolution | 1.3mp |
| color | 24bpp |
| 3D reconstruction rate, to | 7.5fps |
| data acquisition speed, to | 1 million points/second |
| 3D exposure time | 0.0002 seconds |
| 2D exposure time | 0.0002 seconds |
| 3D light source | blue LED |
| 2D light source | White 6 LED array |
| interface | 1 x USB 2.0, USB 3.0 compatible |

computer requirements

| | |
|-----------------------------------|--|
| Compatible OS | Windows 7, 8, or 10 x64 |
| Recommended computer requirements | Intel Core i7 or i9, 32 GB RAM, GPU with 2 GB VRAM |
| Minimum computer requirements | Intel Core i5, i7 or i9, 18 GB RAM, GPU with 2 GB VRAM |
| Output format | |
| 3D mesh format | OBJ, PLY, WRL, STL, AOP, ASC, PTX, E57, XYZRGB |
| CAD format | step, IGES, X_T |
| Measurement format | CSV, DXF, XML |
| Power supply and dimensions | |
| power supply | AC power or external battery pack |
| W | 190×140×130mm |
| weight | 0.8kg / 1.8lb |

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If you are interested in this product, please feel free to contact us.