# Artec Spider II

Manufacturer: Artec 3D

Artec Spider II is a handheld blue structured-light scanner for small and medium-sized objects with complex geometry. It captures shape and color, including fine lettering, edges, and recesses, without requiring markers.

Product page: https://cad.kz/en/catalog/3d_skanery/artec_spider_ii/

## Specifications

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|---|---|
| **RESOLUTION AND ACCURACY** | |
| Resolution | 0.05 mm |
| Accuracy | 0.05 mm |
| 3D accuracy over distance | 0.05 mm + 0.3 mm/m |
| **SCANNING AREA** | |
| Scannable object or area size | Small and medium |
| Working distance | 0.19–0.3 m |
| Capture volume | 1,800 $cm^3$ |
| Linear field of view H×W at near range | 128 × 104 mm |
| Linear field of view H×W at far range | 171 × 152 mm |
| Depth of field | 110 mm |
| **SPEED** | |
| 3D reconstruction speed during real-time fusion | 30 fps |
| Data acquisition speed | 8 million points/s |
| **SCANNING ALGORITHMS** | |
| Markerless technology | да |
| Hybrid geometry and texture tracking | да |
| **TEXTURE** | |
| Texture resolution | 5 MP |
| Color depth | 24 bit |
| **HARDWARE** | |
| Scanner type | Handheld |
| Power source | Power supply, 24 V DC |
| Interface | Compatible with Thunderbolt 4 |
| 3D structured light source | 450 nm LED |
| Texture illumination source | White LEDs, CRI > 95, 4000 K |

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| Dimensions, H×D×W | 187 × 156 × 118 mm |
| Warranty | 2 years |
| **DESIGN** | |
| Weight | 0.95 kg |
| **COMPATIBILITY** | |
| Supported operating systems | Windows 10 (x64), 11 |
| Recommended computer specifications | Intel Core i7 or i9, 13th–14th generation, RTX 4070 8 GB |
| Minimum computer requirements | Intel Core i9, 12th generation, RTX 4060 8 GB |
| **EXPORT FORMATS** | |
| Polygonal 3D model formats | OBJ, PLY, WRL, STL, AOP, ASC, Disney PTX (PTEX), E57, XYZRGB |
| CAD formats | STEP, IGES, X_T |
| Measurement formats | CSV, DXF, XML |

## Supplier — CAD.kz

| | |
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| Company | Товарищество с ограниченной ответственностью «CAD.kz» (КАД.кз) |
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| КБЕ | 17 |
| Location | Республика Казахстан, 010000, город Астана, район Байконур, ул. Пушкина, д.6/1, ВП-1 |
| IBAN | KZ248562203140498999 |
| Bank | АО «Банк ЦентрКредит» |
| BIC | KCJBKZKX |

Specifications are according to the manufacturer. The configuration, delivery time and price will be confirmed by a CAD.kz manager in the commercial offer.