



SHINING 3D

# EinScan H2

High Texture Resolution  
Handheld 3D Scanner

Hybrid LED &  
Infrared Light Source



**impac**  
SYSTEMS  
ENGINEERING

# TECHNICAL SPECIFICATIONS

## EinScan H2

| Scan Mode                   | White Light Mode   | IR Mode  |
|-----------------------------|--|--|
| Light Source                | White LED Light, Visible   | Infrared Light, Invisible  |
| Scan Accuracy               | Up to 0.05mm   | Up to 0.15mm   |
| Volumetric Accuracy         | 0.04mm+0.1mm/m   | 0.15mm+0.3mm/m   |
| Point Distance              | 0.25mm–3mm   |  |
| Working Distance            | 470mm  |  |
| Depth of Field              | 200mm–700mm  | 200mm–1500mm   |
| Maximum FOV                 | 420mm*440mm  | 380mm*400mm  |
| Point Distance              | 420mm*440mm  | 780mm*900mm  |
| Scan Speed                  | 1,200,000points/s  | 1,060,000points/s  |
| Texture Resolution          | 5MP  |  |
| Align Modes                 | Markers Alignment, Feature Alignment, Hybrid Alignment, Texture Alignment  | Feature Alignment, Hybrid Alignment, Texture Alignment, Global Markers |
| Safety                      | LED light (eye–safe)   | CLASS I (eye–safe)   |
| Built–in Color Camera       | Yes  |  |
| Texture Scan                | Yes  |  |
| Software Included           | EXScanH; Solid Edge SHINING 3D Edition   |  |
| Output Formats              | OBJ, STL, ASC, PLY, P3, 3MF  |  |
| Size                        | 108 mm*110 mm*237 mm   |  |
| Scanner Body Weight         | 731.1 g  |  |
| Operating Temperature Range | 0° C ~ 40° C   |  |
| Operating Humidity Range    | 10% RH ~ 90% RH  |  |
| Certifications              | CE, FCC, ROHS, WEEE, KC  |  |
| Interface                   | USB 3.0  |  |
| Input Voltage               | DC: 12 V, 5.0 A  |  |
| Recommended Configuration   | OS: Win10/11, 64–bit; Graphics card: NVIDIA GYX/RTX, RTX2060 or better; Video memory: ≥6GB; Processor: Intel I7–11700 or better; Memory: ≥64GB |  |
| Required Configuration      | OS: Win10, 64–bit; Graphics card: NVIDIA GTX1060; Video memory: ≥4GB; Processor: Intel I7–8700; Memory: ≥16GB                                  |  |

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