

# THOR<sup>3D</sup>

## 3D scanner DRAKE

**One scanner. Any object.**

**Drake** is the first hand-held 3D scanner that scans almost anything. Choose 1, 2 or 3 sets of lenses to digitize objects as small as a coin and as large as a tractor. Furthermore, Drake is also unique because it uses two projectors and a proprietary mathematical method to achieve unmatched results while scanning the most difficult objects. The complementary, powerful editing software, Thor3D Suite, is easy to use and intuitive and is sure to impress. The perfect tool for engineers, universities, museums, graphic design studios and 3D scanning bureaus, as well as a great companion to any 3D printer.



- ▶ The first ever 3-in-1 3D scanner for objects of any size.
- ▶ Patented hardware and software achieve the best results even on difficult-to-scan objects with sharp edges and shiny, thin walls.
- ▶ Wireless, hand-held, portable and for any object.
- ▶ Ideal for universities, 3D scanning service bureaus, engineers, museums and visual effects studios.



Mini lens

Midi lens

Maxi lens

### Technical specifications

|   | Mini           | Midi   | Maxi               |
|---|----------------|--|--------------------|
| Accuracy, up to                         | 40 microns     | 70 microns   | 150 microns        |
| Accuracy over distance, up to           | 0.030% over 1m | 0.025% over 1m   | 0.020% over 1m     |
| Resolution, up to                       | 0.15mm         | 0.5mm  | 0.8mm              |
| Texture                                 |                | 1.3MP  |                    |
| Light Source                            |                | White LED  |                    |
| Depth of view                           | 18–30cm        | 33–65cm  | 50–100cm           |
| Optimal stand-off distance              | 22cm           | 45cm   | 75cm               |
| Recommended size of object              | 0.5–20cm       | 10–100cm   | 0.30–8m            |
| Scanning area per frame, mm (min - max) | 50x64 – 96x128 | 158x211 – 321x429  | 428x571 – 857x1142 |
| Frame rate, up to                       |                | 12   |                    |
| Data acquisition speed, up to           |                | 1 200 000 points/sec   |                    |
| Multi-core processing                   |                | Yes  |                    |
| Output formats                          |                | STL, OBJ, VRML, PLY  |                    |
| Dimensions, in mm                       |                | 363 x 250 x 114  |                    |
| Weight                                  |                | 2.3kg  |                    |
| Power                                   |                | Built-in rechargeable battery, up to 1.25 hours  |                    |
| Power charger                           |                | 12V, 60W   |                    |
| Touchscreen                             |                | Built-in 7in screen  |                    |
| Software                                |                | Thor3D Suite (complimentary)   |                    |
| Data transfer modes                     |                | USB Flash drive or WIFI  |                    |
| Minimum computer requirements           |                | Windows 8.1, 10; Intel Core i7; NVIDIA GeForce 400 or better (with memory of 2 GB or better); RAM: 16 GB |                    |
| Operating temperature                   |                | +5C ~ +35C   |                    |
| Operating humidity                      |                | 20 ~ 80%   |                    |