

GENERAL SPECIFICATION

|                                    |  |
|------------------------------------|--|
| Dimensions (H x W x D)             | 180.6 x 77.6 x 27.1 mm (7.11 x 3.06 x 1.07 in)   |
| Weight (with rechargeable battery) | 480 g (17 oz)  |
| Temperature range                  | Storage: -25 to 60 °C (-13 to 140 °F)<br>Operation: -10 to 50 °C (14 to 122 °F)<br>Charging: 0 to 40 °C (32 to 104 °F) |
| Tripod adapter                     | Supports 1/4-20 UNC screw adapters   |

TECHNOLOGY

|                                 |   |
|---------------------------------|---|
| Operating system                | Android 7.1.2 (Nougat)  |
| Processor (with integrated GPU) | Snapdragon 820E QuadCore (2.35 GHz)   |
| RAM Memory                      | 4 GB  |
| Real-time Processor             | STM32F446   |
| Screen                          | 5.0" IPS, HD 720x1280 LCD capacitive multi-touch screen, chemically strengthened, brightness: 450 cd/m <sup>2</sup>                           |
| Stereo camera                   | Pixels: 2 x 10 MP (15.8 cm diagonal base line)<br>Field of view: 80°<br>Focal length: 4.0 mm (22 mm in 35 mm equiv. in 1:1)<br>Aperture: F3.0 |
| EDM camera                      | Pixels: 2 MP<br>Field of view: 14°  |
| I/O                             | USB Type-C 1.0 for data transfer and charging (water-resistant), integrated speaker and microphone  |
| Keyboard                        | Three physical buttons (Power, Laser/Photo capture, Photo capture), four touch buttons (Back, Home, Recents, Laser/Photo capture)             |
| Additional sensors              | Compass, 3D accelerometer and 3D gyroscope  |
| Laser class                     | 2   |
| Laser type                      | 655 nm, 0.95 mW   |

STORAGE

|                  |   |
|------------------|---|
| Internal storage | 64 GB (equals 14000 single-shot or 5000 multi-shot 3D images) |
|------------------|---|

COMMUNICATION

|                  |   |
|------------------|---|
| Bluetooth® Smart | Bluetooth v4.1 and v2.1<br>Radiated power: 1.78 mW (BLE)<br>Radiated power: 10.00 mW (BT classic)<br>Frequency: 2402-2480 MHz |
| Wireless LAN     | Standard: 802.11 b/g/n<br>Radiated power: 6.31 mW<br>Frequency: 2412-2472 to 2412-2462 MHz                                    |
| GPS              | A-GPS and GLONASS   |

POWER MANAGEMENT

|                  |   |
|------------------|---|
| Battery          | Rechargeable battery pack Li-ion (3.80 V, 3880 mAh, 14.7 Wh)  |
| Power management | AC adaptor (input: 100-240 V AC)<br>External charger (input: 100-240 V AC) (optional)   |
| Charge time      | < 3.5 h (with AC adaptor)<br>< 5h (with optional external charger)  |
| Operating time   | Typical capture: 4h / 220 multi-shot captures <sup>1</sup><br>Continuous capture: 2.5 h /1000 single-shot captures <sup>1</sup><br>Laser measurements: 6.5 h / 9500 laser measurements<br>Auto power off: after 3 h in sleep mode |

LASER DISTANCE MEASUREMENT

|  |                                  |
|--|----------------------------------|
| Accuracy with favourable conditions <sup>4</sup>   | ± 1.0 mm (0.04 in) <sup>6</sup>  |
| Accuracy with unfavourable conditions <sup>5</sup> | ± 2.0 mm (0.08 in) <sup>6</sup>  |
| Range with favourable conditions <sup>4</sup>      | 250 m (820 ft)                   |
| Range with unfavourable conditions <sup>5</sup>    | 120 m (394 ft)                   |
| Smallest unit displayed                            | 0.1 mm (1/32 in)                 |
| X-Range Power Technology™                          | yes                              |
| Ø laser point at distances                         | 6 / 30 / 60 mm (10 / 50 / 100 m) |

TILT MEASUREMENT

|  |        |
|--|--------|
| Measuring tolerance to laser beam <sup>7</sup> | ± 0.2° |
| Measuring tolerance to housing <sup>7</sup>    | ± 0.2° |
| Range  | 360°   |

P2P MEASUREMENT WITH DST 360 (OPTIONAL)

|   |   |
|---|---|
| Working range vertical sensor   | -64° to > 90°                                 |
| Accuracy vertical sensor up to  | ± 0.1°  |
| Working range horizontal sensor   | 360°  |
| Accuracy horizontal sensor up to  | ± 0.1°  |
| Tolerance P2P function at distances (combination of sensors and distance measuring) approx. | ± 2 mm / 2 m<br>± 5 mm / 5 m<br>± 10 mm /10 m |
| Levelling range   | ± 5°  |

SOFTWARE OPTIONS OVERVIEW

| BLK3D Mobile                        |   |
|-------------------------------------|---|
| BLK3D Mobile (included)             | Reality Capture, Laser, Organiser, 3D Image export to pdf and jpg                       |
| Sketch & Document Option (optional) | Sketch Plan , P2P Measure, Smart Room, Plan export to pdf, jpg, DXF and DWG (2D/3D/raw) |

| BLK3D Desktop                 |  |
|-------------------------------|--|
| BLK3D Desktop Base (optional) | Organiser, Measure, working with plans                     |
| 3D Model Option (optional)    | 3D Modelling on 3D Images incl. export to DXF and DWG (3D) |
| Minimum system requirements   | Windows 8.1, 10 with 64-bit; 6 GB RAM                      |

IN-PICTURE MEASUREMENT ACCURACY TABLE

