

The most economic 3D laser scanner



Remote control

Quick and easy scan process control via Wi-Fi / LAN

Small and compact

The compact design allows quick relocation.

Quick release battery pack

Battery exchange in one second. Charging time is approximately 2 h.

Scan data management

Scan data is stored on SD card to be easily transferred to PC for processing.

Converting in different data formats can be easily done with included batch processing software **RODEONprocessor**.

Efficiency

Lowest investment costs and time saving during recording and processing, broadening of activity fields

Uncomplicated - Universal - Fully automated

RODEONsmartscan is a 3D laser scanner for measuring and documentation. By using modern laser technology, **RODEONsmartscan** produces a 3D point cloud of the environment in only a few minutes. Millions of measuring points are stored on SD card and, by using **RODEONprocessor**, can be safely transferred to your PC in any of your preferred data formats for processing.

Low investment costs, efficient workflow and new fields of application increase your profit

The universal workflow of **RODEONsmartscan** opens up a variety of new applications to the user - in architectural documentation, civil engineering, industrial documentation, product recording, quality control, reverse engineering, nature and monument protection, accident and crime scene recording, and much more. **RODEONsmartscan** is simply controlled by Wi-Fi and ensures an easy operation.

Advantages

efficient

low investment costs

uncomplicated

One-button-operation,
Quick release battery pack

universal

Control with any smartphone

portable

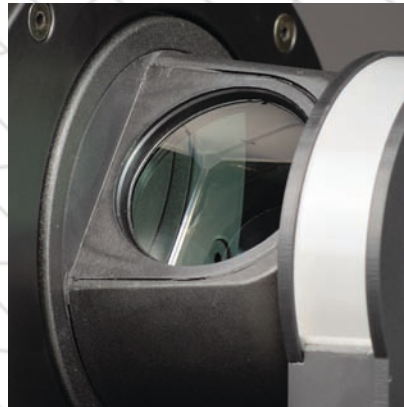
storage on SD card

compatible

RODEONprocessor for saving in manifold formats

productive

quick scans and quick relocation by compact design



Spezifikation

Instrument type	Panorama laser scanner with large range and large field of view
RODEONprocessor	software for automated scan data batch processing RMP/RPC, PTS, PLY, ASC, XYZ, PTB is part of the scope of delivery
User control	Wi-Fi, LAN
Data control	SD card
Measuring rate	14400 points/second
Vertical field of view	330 °
Horizontal field of view	360 °
Vertical resolution	0,125 ° (2880 3D pixel at 360 °)
Horizontal resolution	0,015 ° (24000 3D pixel auf 360 °)
Scan time	9,6 minutes for 4 million points
Laser class	1 (eye safe according to IEC60825-1)
Wave length	905 nm
Beam divergence	5 mrad
Measuring range	90 % Remission: 200 m / 20 % Remission: 50 m
Max. measuring range	250 m
Dimensions	230 x 250 x 280 mm
Weight	6 kg
Operating temperature	0 ... + 40 °C
Storage temperature	- 20 ... + 65 °C
Humidity	max. 85 % rel., non-condensing

Quick release battery pack

Technology	Li-Ion
Nominal voltage	22 V
Nominal capacity	5,2 Ah
Battery service life	approx. 2 hours
Storage temperature	- 20 ... + 60 °C
Operating temperature	
Charging	+ 10 ... + 40 °C
Discharging	- 20 ... + 60 °C
Weight	750 g
Dimensions	55 x 80 x 150 mm

Battery charger

Voltage input	100 ... 240 V / 50 ... 60 Hz
Charging time	approx. 2 hours
Storage temperature	- 20 ... + 60 °C
Operating temperature	0 ... + 40 °C

