

# RODEON Scan

creates point clouds with high-quality panoramas

CLAUSS

*The high-resolution panoramic camera scanner with exact assignment of pixel and measurement point!*



#### OPERATING PRINCIPLE:

1. Record the point cloud by laser scan
2. Afterwards, or even synchronously to the laserscan, record a full panorama
3. As a result, you receive a high-resolution panorama being projected on a stitch model of the coordinate cloud in a VRML, DXF or PLY format

#### YOUR ADVANTAGES:

- Easy handling, intuitive control via notebook
- Fully automated scan with panoramic image
- High-resolution textures (even as HDR!)
- Efficient and time-saving workflow by synchronous image recording during the scan
- Working independent from ambient light with integrated flashbulbs
- Georeferencing of locations by 360 ° prismatic markers at the device
- Export of 3D data in common formats (VRML, DXF, PLY, PTS, ASC, RPC)
- Measuring range up to 250 m at Laser Class 1 (eye-safe)
- Large vertical scanning angle from -75 ° ... + 90 °
- Instant panorama without stitching with an image resolution until 1 GP



Provides you with more than a point cloud:

## **RODEON Scan**

Combine laser scanning with stunning high-resolution panoramas!



### **SPECIFICATION:**

- Laser Class 1 (eyesafe)
- 30 Million measurement points
- Dimensions 420 mm x 170 mm x 300 mm
- Weight 14,0 kg
- Maximum range 250 m
- Number of pixels per panorama: 1 Gigapixel, stitchless
- Vertical scanning resolution: 0,125 °, horizontally at minimum 0,015 °
- Recording range 0 ... 360 ° horizontally, -75 ° ... +90 ° vertically
- Working hours of the battery pack typically 3 hours
- Data Interface USB 2.0 High Speed
- Additional lighting by using 2 flashbulbs

*Technical changes reserved*