KOLIBRI CORDLESS
HANDHELD OPTICAL
3D SCANNER

Measurement principle
- High-speed image projection and data acquisition
- Fringe projection with phase shifting

Features
- Ergonomic hand-held operation
- 3D analysis software „R³ Forensics“ for forensic purposes
- Unconstrained sensor placement (no external tracking, no positioning targets, complete freedom of movement)
- Cordless design (battery powered)
- User friendly (user interface via touchscreen at the sensor head, simple handling, easy to set up and scan)
- Mobility (transport within a case)
- High resolution color and texture scanning (optional)
- Built-in computer unit for control and data analysis

System parameter
- Single measurement field: 325 × 200 mm²
- Measurement uncertainty: 20 …100 µm
- Data acquisition time: < 0.25 s
- Resolution: 170 µm
- Sensor weight: 3.6 kg
  (with color option 4.4 kg)
- Number of views: unrestricted
- Number of pixels: 2048 × 1280 pixels

Our Offer
- 3D data acquisition and analysis for forensic investigations
- Development and production of sensors for criminology, quality assurance, rapid prototyping, design, archeology and CAD/CAM according to customer requirements

Fraunhofer Institute for Applied Optics and Precision Engineering IOF
Albert-Einstein-Straße 7
07745 Jena, Germany

Director
Prof. Dr. Andreas Tünnermann

Head of Business Unit Photonic Sensors and Measuring Systems
Prof. Dr. Gunther Notni

Contact
Dr. Peter Kühmstedt
Phone +49 3641 807-230
peter.kuehmstedt@iof.fraunhofer.de

www.iof.fraunhofer.de