# RangeVision **Spectrum**

## 3D scanner for universal use

RangeVision **Spectrum** is a universal high-resolution optical 3D scanner based on the safe-to-use structured light technology. It is great for reverse engineering, industrial design, education and science. The scanner has three fields of view, 3MP color industrial cameras and a LED projection module. It is equipped with an automatic turntable and a protective travel case.
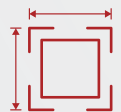
## Your spectrum of possibilities

### Wide range of applications

Due to variable scanning zones, RV Spectrum digitizes objects from 1 cm up to 3 meters in size

### Textured and high-resolution 3D models

The scanner produces 3D data of highest quality, capturing colour texture and small detail with resolution up to 0.06 mm and accuracy up to 0.04 mm

### Portable and compact

Low weight and small size make it easy and quick to transport and assemble the scanner

### Excellent value for money

Get a universal instrument for a reasonable price

## Applications

Reverse engineering

Education & science

Industrial design & car tuning
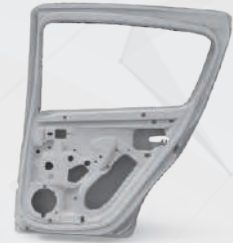
Quality control

Heritage preservation

Animation

| Small details | Complex geometry | Large objects |
| --- | --- | --- |

# Specifications

| Scanning technology | structured light | | |
| --- | --- | --- | --- |
| Cameras resolution | 3MP | | |
| FOV | L (1) | M (2) | S (3) |
| Working distance, m | 1 | 0.6 | 0.3 |
| FOV size, mm | 520x400x400 | 320x250x220 | 135x100x100 |
| 3D-resolution, mm | 0.25 | 0.15 | 0.06 |
| Accuracy, mm | 0.12 | 0.06 | 0.04 |

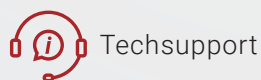# Software

ScanCenter NG software comes with a scanner and allows you to get a finished 3D model of high quality for further work in all popular CAD/CAM programs and virtual 3D modeling environments. Updates of the software are free of charge.

# Package contents

- ▶ Scanning module with cameras and LED projector
- ▶ Automatic turntable up to 20 kg load capacity
- ▶ Set of cables
- ▶ Tripod
- ▶ RangeVision Software with digital license key
- ▶ Set of self-adhesive markers
- ▶ Set of calibration plates
- ▶ Protective travel case

Techsupport        Free software updates

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