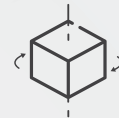# RangeVision

NEO

High-quality 3D scanning is available to everyone now!

Education and science

Arts and culture

Visualisation

Product design

Hobbies

Easy and fast scanning

Affordable price

Free software and updates

USB & HDMI

2MP cameras

LED projector

RangeVision NEO is an optical scanner with structured light technology.

It is **reliable and easy to use**, connects to a computer via USB 3.0 and HDMI ports, does not require external power and has 2 MP colour cameras.

Portable and compact

- ‣ weighs only 1 kg
- ‣ easily fits on a desk
- ‣ comes in a protective travel case

Get detailed colour 3D models to accomplish your tasks

at home   at school   at university   at office

Colour texture capturing

THE ROBIN HOOD

Accuracy up to 0.05 mm

High-quality 3D scanning

Object size from 1 cm to 1.2 m

Applications

Education and science
Training
Research
Virtual tests

Product design
Reverse engineering
Customization
3D documentation

Visualisation
Virtual reality
Animation

Hobbies
3D models for 3D printing
Replication of objects
Measurement of complex geometry

Arts and culture
Cultural heritage preservation
Digitization of exhibitions and collections
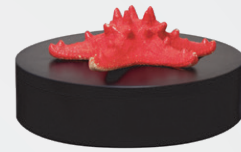Restoration

Scan options

Scanning on a rotary table

Scanning with markers

Scanning by geometry

An automatic rotary table comes with the scanner

It allows you to scan an object automatically in one click.
You can use the rotary table for scanning objects weighing up to 20 kg.

Easy and fast 3D scanning

- 5 minutes to prepare for scanning
- Plug and Play
- Automatic calibration
- One-click scanning
- Simple user interface

Compatible with any 3D printer

- Easy data export for 3D printing
- Coordinate system setting for 3D printing
- Automatic mesh-building with filling holes
- Color-textured models ready for 3D printing

A vast range of processing capabilities

- Automatic and manual alignment by markers and without markers
- Holes filling
- Object surfaces smoothing
- 3D model simplification and reduction triangles number
- Mesh defects correction
- Automatic removal of small artifacts and noise
- Other professional functions of ScanCenter NG software

Export your 3D model to other software for further processing
ScanCenter NG allows you to export 3D models to most demanded formats: STL and OBJ

Technical specifications

Scanning technology	structured light
Accuracy, up to	0.05 mm
3D resolution, up to	0.13 mm
Object size	from 3 cm to 1.2 m
FOV size, mm	200 x 150 x 150 mm
Working distance	0.3 m
Ability to capture texture	yes
Cameras resolution	2MP
Modes alignment	by markers, by geometry
3D mesh formats	OBJ, PLY, STL, PTX, ASCII
Power source for scanner	USB
Minimum computer requirements	Intel® Core™ i3/i5 1.8 GHz (Broadwell-based), 8 GB, HDMI, USB 3.0, USB 2.0 for a rotary table
Supported OS	Windows 7/8.1/10 64bit
Rotary table	yes
Platform table diameter	20 cm
Max rotary table load capacity	20 kg / 44 lb
Power source for rotary table	220 V – 12V/1A
Case dimensions	430 x 380 x 155 mm
Weight	1 kg / 2.2 lb
Full package in case weight	5.5 kg / 12.1 lb

Package contains

- RangeVision ScanCenter NG software
- Protective travel case
- Set of calibration plates
- Set of markers
- Quick start guide
- Scanning module with two 2MP cameras and LED projector
- Tripod
- Set of cables
- Automatic rotary table

2-year warranty **Free software updates** **Tech support** **Training materials**

🔔 **Sign up for a free online demo!**

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RANGEvision