

3D SCANNER

ONE

CLON
DIGITAL®

Includes Clon Digital license
Augmented Reality and Virtual Reality



Easy and Fast
3D Scanning



Affordable price



Up-to-date
free software



IT3D SCAN ONE 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



Includes an automatic turntable.

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



High-quality 3D scanning

- Accuracy up to 0.05 mm
- Colour texture Capturing

Object size from 3 cm to 1.2 m

APPLICATIONS



Education and Science

Training
Research
Virtual tests



Product Design

Reverse engineering
Customisation
3D Documentation



AR/RV

3D visualisation
Animation
Virtual solution



Quality Control

Models for 3D printing
Exact replication of objects
Measurement of complex geometry



Art and Culture

Conservation of Cultural Heritage
Digitisation of exhibitions
Restoration of collections

3D SCANNING OPTIONS

3D Scanning on a rotary table

3D Scanning with markers

3D Scanning by geometry

IT3D SCAN ONE ADVANTAGES



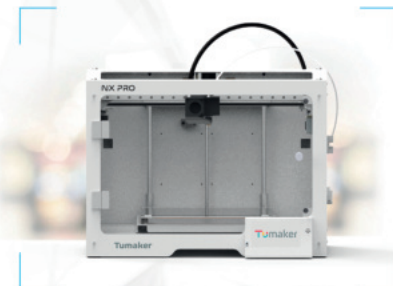
Easy and fast 3D scanning

- 5 minutes to prepare for 3D scanning.
- Plug and Play System.
- Automatic calibration.
- One-click scanning.
- Simple user interface.



Multiple 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 and automatic removal of small artifacts and noise.
- Other professional functions of IT3D SCAN - ScanCenter NG software.



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.

CLON DIGITAL® AR / VR



Contains AR / VR Clon Digital Platform license

- Augmented Reality (AR). Your projects reach the whole world in 3D.
- Virtual Reality (VR). Create immersive spaces and share them.
- Digital and interactive spaces from your mobile, tablet or computer.
- Transcend the limitations of distance by enclosing 3D files.
- 3D digital objects for all ages.



Export your 3D model to other software for further processing.

IT3D SCAN - ScanCenter NG allows you to export 3D models to most demanded formats: STL and OBJ

CLON DIGITAL[®]

The **Augmented Reality** and **Virtual Reality** platform, which allows **3D designs to be shared with anyone on the planet** through their mobile phone, computer or tablet, without the need to install any app and without programming knowledge.

Augmented Reality allows you to immediately superimpose **digital elements on the real world**. At Clon Digital we convert your pieces into **3D digital clones** so that they can easily reach users through your website, Dossier, RRSS, QR code or a simple link.

Virtual Reality is a **simulated environment with a real appearance**, generated by computer processes, which creates the sensation of being immersed in it. A complete digital environment **without the need for external applications or software**.



CLON DIGITAL APLICACIONES



Education

Improves communication between teachers and students. Integrates 3D elements in notes, webinars and web pages. Encourages creativity and learning.



Retail

Share 3D models of your products with all your customers quickly and easily. Improve the user experience while reducing time and costs.



Industry

Visualise, shape and transmit your projects easily through the representation in Virtual Reality and Augmented Reality of machinery, parts or complete enclosures.



Museums

Exhibiting unique pieces digitally improves conservation and broadens the possibilities for interaction. This generates innovative methods of knowledge.

SUCCESS CASES



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
Weight	1 kg / 2.2 lb
Case dimensions	410 x 330 x 170 mm
Full package in case weight	4.8 kg / 10.6 lb

PACKAGE CONTAINS



1 year warranty



Free software updates



Tech support



Training materials

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