



SCAN in a BOX - FX

BE INSPIRED



SCAN
in a BOX

www.scaninabox.com

PROFESSIONALISM, OUR CORE

Accurately manufactured in every detail, Scan in a Box FX offers **high quality 3D Scans**. The Made in Italy design has been totally **optimized** to grant more **consistence and stability** and to bring a smooth and intuitive 3D Scanning workflow experience, to reach excellent targets in every professional field.

HD 450 Lumens Projector for enhanced
Brightness and Color definition

USB 3.0 connections with
Professional Cables



Curved Support designed for better
toughness and reliability

CONCRETE BOOST FOR YOUR BUSINESS

Scan in a Box FX is designed for demanding users and companies that are looking for the highest level of performances to **save time and resources**. Fast, accurate and concrete: Scan in a Box FX drops down significantly the **processing time**, asserting itself as the **solution** for anyone who needs an innovative technology in the perspective of their **digital transformation**.

IDEA THE SOFTWARE - FX VERSION

IDEA the Software is the 3D Scanning software developed to provide all the necessary tools to create a **complete 360 degree and ready-to-use 3D digital model**. The interface is intuitive and user-friendly. Through the latest advanced additions, it allows to control and manipulate the 3D data with more **rapidity** and **automatism**, while the 3D Scanning time during the acquisition phase has already been halved..



QUALITY OVER COMPROMISES

The features to be **functional** and **reconfigurable** make of Scan in a Box FX a versatile machine that can be adapted for **every application** needed. The entrusted product confirms the top quality brand, taking advantage of the chosen components and of the dedicated software, that maintain high performances and expectations.

WHICH ARE THE NEW FEATURES?

- **Direct Alignment:**
automatically assembles all the scans together
- **Resilient scan mode:**
enhances the sharpness of the acquisition and reduces the noise
- **Mesh Defeature:**
erases unwanted geometrical features and fix the mesh in an instant
- **Planes Intersection:**
cut the Mesh in order to have two separate parts completely closed with a plane
- **Catenate Meshes:**
merges two or more meshes to obtain a single and complete model
- **Detect Undercuts:**
selects all the undercuts in the mesh
- **Texture Export:**
extracts the Colors in Atlas Map or Triangular Map separately
- **Data measurements:**
measures the distance between two points on the mesh and the values of surface and volume dimensions of the model
- **Convert to Range Images:**
obtains Range Images of the digitized model starting from the Mesh
- **Export Point Cloud with Normals and Colors:**
exports the object as a point cloud with RGB color information to use in post production process.

Download the free trial version on www.scaninabox.com



Scan in a Box - FX / TECHNICAL SPECIFICATIONS

Scanner Dimensions	480 x 160 x 120 mm
Box Dimensions	510 x 490 x 140 mm
Box Weight	8 Kg
Scanning Technology	Structured Light
Cameras	USB 3.0 / Sensor 2 Mpx
Projector	1280 x 800 LED 450 Lumen
Scanning Time	~ 2 secs per scan
Scanning Fields	reconfigurable from 100 x 75 mm to 600 x 480 mm
Scanning Object Dimensions	suggested from 10 mm to 3000 mm
Scanning Working Distance	from 190 mm to 1355 mm
Resolution / Point Spacing	from 0,062 mm to 0,375 mm
Precision / Accuracy	0,04 mm*
Texture / Colour Data	available, included
Automatic TurnTable	available, optional
Software	IDEA the Software FX Version – Unlimited USB License Dongle
Export File Formats	Mesh: OBJ, STL, PLY, OFF / Point Cloud: ASC

* Certification according to the recommendations of the German PTB according to VDI / VDE 2634 part 3

Scan in a Box - FX / SYSTEM REQUIREMENTS

PC	CPU Quad Core 2 Ghz, 8 GB RAM, VGA (NVIDIA GeForce)
Operating System	Windows 7 / 8 / 10 – 64 bit
Connectivity	X2 USB3 (900 mA), x1 HDMI



ACCESSORIES

Improve the 3D experience with **Scan in a Box – FX** accessories.



Automatic Turntable

The cooperation between Scan in a Box FX and the *Automatic TurnTable* produces amazing results. It's possible to set up automatically all the scanning process and get all the images already aligned in just one click, by setting up the number of scans, the speed and the angle of rotation.



Calibration Master Fx 400X400 mm

The FX Version of the *Calibration Master 400x400* mm is made of a strong aluminum alveolar structure which ensures reliability and a long-life calibration instrument.

Calibration Master - Fx grants more accurate and precise results during the acquisition process, thanks to its high quality and enhanced planarity.



Transporter Hard Case

Made with high quality materials and entirely designed and manufactured in Italy, *Transporter hard case* can carry safely Scan in A Box complete Kit and all its accessories. With a completely tailored inside, *Transporter Case* is provided of trolley wheels and a comfortable handle to simplify its movements.

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