



# Skaner 3D Creality RaptorX



Modelis: 4007030238

Gamintojas: CREALITY

EAN: 6971636405283

Prekės kodas: 35816

## 3,623.99€

## Creality RaptorX 3D scanner

Creality RaptorX is an advanced 3D scanner designed for professional users. Equipped with NIR structured light technology, it guarantees exceptional scanning accuracy and speed. Thanks to its compact and wireless design, it will perform well in a variety of working conditions even in intense lighting - up to 100,000 lux in 34 laser line mode. In addition, the RaptorX offers a wide range of applications, from scanning complex objects to precise high-resolution detail mapping.

## Superior scanning quality and versatile applications

The RaptorX achieves an accuracy of 0.02 mm + 0.06 mm/m and a resolution of up to 60 fps, allowing it to capture even the smallest detail. Its full-color scanning capability makes it ideal for projects requiring surface analysis. The device handles objects ranging in size from 5 mm<sup>3</sup> to 4 m<sup>3</sup>, making it a versatile tool for scanning small parts, silhouettes or large mechanical parts.

## Scanning modes to suit different needs

Pateikta prekės informacija yra orientacinio pobūdžio. Techninės savybės, nuotraukos, aprašymai ir kaina gali keistis be išankstinio perspėjimo. Gamintojas ir pardavėjas neatsako už galimus duomenų neatitikimus ar tipografines klaidas. Prieš įsigyjant rekomenduojame pasitikrinti aktualią informaciją.

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The RaptorX offers different scanning modes: manual scan for greater freedom, stationary scanning with automatic platform rotation, detail scanning for mapping the smallest parts, and a mode for scanning large objects. This makes the device ideal for a variety of industries, such as automotive, medical, and art.

## **Mobility and convenience of use**

The wireless design and low weight of just 405 g make the Creality RaptorX extremely convenient for everyday use. The scanner is equipped with a rechargeable battery that allows for about 4 hours of uninterrupted operation and charges to 80% in about 1.5 hours. This makes the device perfect for both in the studio and in the field.

## **NIR Structured Light Scanning - markerless scanning**

Creality RaptorX uses NIR (Near Infrared) Structured Light technology, which enables scanning without the need for markers. With One-Shot 3D Imaging technology, the scanner provides stability and reduces the risk of losing track of an object. This feature streamlines manual scanning, making the process smooth and convenient.

## **Reliable scanning**

The RaptorX is equipped with a unique face and body mapping algorithm, which allows for precise reproduction of details such as hair and body contours. A full-body scan will take just 2 minutes. In addition, the device supports scanning in full 24-bit color palette, which allows for accurate color reproduction of objects. Thanks to its high material adaptation, the RaptorX is able to scan black and metallic objects without the need for sprays or coatings, saving time and increasing convenience.

## **High quality optical components**

The RaptorX scanner is equipped with a 3D camera with a resolution of 2.3 million pixels. The nine-element glass lens ensures minimal distortion and great depth of field. The metal lens design increases durability and stability of operation even in harsh conditions.

## **CrealityScan software**

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The scanner works with the intuitive CrealityScan software, which offers advanced features such as point cloud editing, face and body scan mode and one-click calibration. The software is compatible with many popular programs such as SolidWorks, Maya and Blender, making it easy to integrate scans into further design processes.

## Included

- scanner
- scanner holder
- glass calibration plate
- quick release
- magnetic phone holder
- wireless WIFI 6 USB adapter
- adapter + adapter
- USB 3.0 to USB-C cable
- Scan Bridge cable
- charging cable
- reflective marking points (D6mm\*40 sheets, D3mm\*40 sheets)
- USB-C adapter
- cleaning cloth
- lanyard
- user manual

## Scanner holder

<b>Manufacturer</b>	Creality
<b>Compatibility</b>	CR-Scan Otter, CR-Scan Raptor, Creality RaptorX
<b>WiFi protocols</b>	WiFi6, backward compatibility
<b>Frequency band</b>	5 GHz
<b>Transfer speed</b>	Parallel line mode: $\leq 50$ fps; infrared mode: $\leq 30$ fps
<b>Battery type</b>	Lithium

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<b>Battery capacity</b>	5000 mAh (2 pieces)
<b>Fast charging power</b>	30 W
<b>Fast charging protocol</b>	PD / AFC / FCP
<b>Charging port</b>	Type-C
<b>Interface</b>	USB-A / USB3.0
<b>Power interface</b>	DC12V / USB5V
<b>Phone holder</b>	Magnetic
<b>Power button</b>	Mechanical
<b>Scan start button</b>	Mechanical
<b>Dimensions</b>	193.7 x 119.8 x 81.7 mm
<b>Weight</b>	444 g
<b>Operating temperature range</b>	From -10°C to 40°C
<b>Operating humidity</b>	0-90%RH

## Scanner

<b>Manufacturer</b>	Creality
<b>Scanning modes</b>	7 blue parallel laser lines / 34 blue laser lines / NIR
<b>Accuracy</b>	Up to 0.02 mm (7 blue parallel laser lines / 34 blue laser lines); up to 0.1 mm (NIR)
<b>Volume accuracy</b>	0.02 mm + 0.6 mm/m (7 blue parallel laser lines / 34 blue laser lines); 0.05 mm + 0.1 mm/m (NIR)
<b>Scanning frequency</b>	420,000 measurements/s (7 blue parallel laser lines); 1.020000 measurements/s (34 blue laser lines); 3.580000 measurements/s (NIR)
<b>3D resolution</b>	0.02-2 mm (7 blue parallel laser lines / 34 blue laser lines); 0.1-2 mm (NIR)
<b>Scanning speed</b>	Up to 60 fps (7 blue parallel laser lines / 34 blue laser lines); up to 20 fps (NIR)
<b>Minimum scanning volume</b>	5 x 5 x 5 mm (7 blue parallel laser lines / 34 blue laser lines); 150 x 150 x 150 mm (NIR)

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<b>Single capture range</b>	270 x 170 @ 300 mm (7 blue parallel laser lines); 270 x 170 @ 300 mm / 341 x 232 @ 400 mm / 397 x 290 @ 500 mm / 452 x 348 @ 600 mm 600 mm TBD (34 blue laser lines); 630 x 550 @ 1000 mm (NIR)
<b>Working range</b>	150-400 mm (7 blue parallel laser lines); 200-600 mm (34 blue laser lines); 170-1200 mm (NIR)
<b>Color mapping</b>	yes
<b>Alignment mode</b>	Marker (7 blue parallel laser lines / 34 blue laser lines); marker / geometry / texture (NIR)
<b>3D imaging camera resolution</b>	1920 x 1200
<b>Additional RGB color light</b>	12 white LEDs
<b>External scanning</b>	Less than 50,000 lux (7 blue parallel laser lines); less than 10,000 lux (34 blue laser lines); less than 30,000 lux (NIR)
<b>Marker recognition support</b>	12 blue LEDs
<b>Laser safety (eye protection)</b>	Class I (7 blue parallel laser lines / NIR); Class II (34 blue laser lines)
<b>Button</b>	mechanical
<b>IMU support</b>	yes
<b>Output format</b>	OBJ / STL / PLY
<b>Input voltage</b>	12V/2A
<b>Interface</b>	USB-C/USB3.0
<b>Dimensions</b>	215 x 50 x 74 mm
<b>Weight</b>	405 g
<b>Calibration plate</b>	Precision glass calibration plate
<b>Wireless scanning</b>	yes
<b>System</b>	Windows, MacOS
<b>Operating temperature</b>	-10°C to 40°C

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**Working humidity** 0-90%RH

Gross weight: 6470, Net weight: 405, Box length: 47,50, Box width: 36,00, Box height: 18,00,  
Accuracy (mm): 0.02, GPSR Link: [https://psr-  
assets.innpro.pl/creative\\_technologies/sg\\_creative\\_technologies\\_3d\\_print.pdf](https://psr-assets.innpro.pl/creative_technologies/sg_creative_technologies_3d_print.pdf), Pobierz instrukcję:  
<https://files.innpro.pl/Creality/6971636405283>, Information about data generation:  
<https://dataact.innpro.pl/creality/6971636405283>, Wybierz inny model serii: Skaner 3D Creality  
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