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THREE™



## The 3D Scanner for Every Classroom

3D scanning with Matter and Form THREE is the most exciting way for students to make their own models for 3D printing and design. Students get high-quality professional results, whether they want to capture something small, like the tiny details on the surface of a coin, or something large, like a motor scooter. From students taking their first steps with 3D printing, all the way to those who want to program their own machine vision systems, Matter and Form THREE is ready for any classroom.

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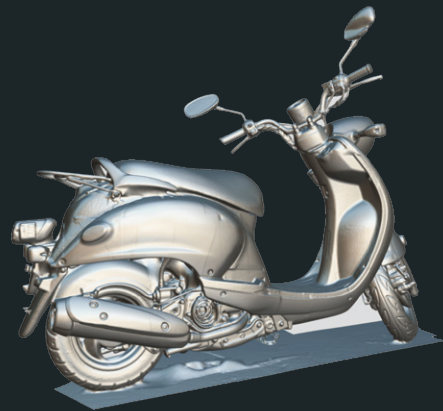


## Vocational, University, CTE and K12 STEM

- Scan Any Object or Color
- For 3D Printing, Design, Engineering
- Compatible on Any Computer, Chromebook or iPad
- Curriculum Included
- API for Software Development
- Accurate Scans in 10 seconds



3D scan the tiny details of a coin



3D scan large objects like a motor scooter



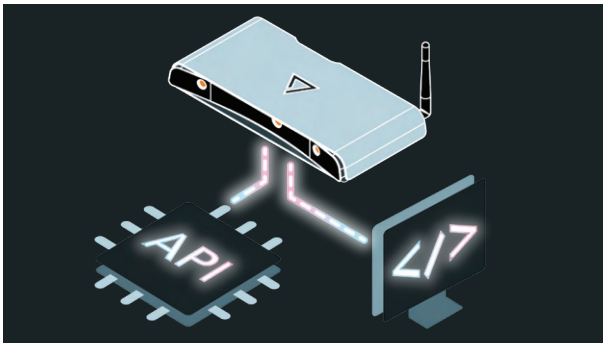
## Scan Any Size

Scan anything, from a real car engine to a toy car miniature. THREE's flexibility means you only need one scanner for a wide range of projects.



## Extraordinary Software

Connect THREE to WIFI, then control its built-in software from your web browser. THREE is a pure pleasure to use with any modern operating system or device.



## API and Edge Computing

THREE is your gateway to automation. Use its API to control the scanning, cameras, projector and processing. Select from THREE's open source projects, or code up your own software, then run either on your computer or directly on THREE itself.



## ChromaSpec™ Technology

Better than blue light, better than white light, THREE's unique ChromaSpec™ technology uses the full spectrum of visible light to perfectly capture geometry and color.

## Accuracy / Resolution / Working Distance

Distance from Scanner	Z Accuracy in Microns	Resolution in Microns
220 mm / 8.66"	33	37
400 mm / 15.74"	150	65
700 mm / 27.55"	400	114

# Technical Specifications

Name	Matter and Form THREE 3D Scanner
SKU	MFSTHREE
Technology	Stereo camera structured light with focusable cameras
CPU	Quad-core 64bit SoC 1.5GHz with Integrated GPU
RAM	4 GB
Internal Storage	16 GB
Projector	DLP MEMS mirror
Camera Sensor	Sony 13 megapixel
Scan Speed	4 seconds
Processing Speed	10-15 seconds
Alignment	Automatic / Point-pick
Scan Modes	Automated Turntable / Single Shot Scan
Scanning Environment	Indoor and Outdoor(shaded)
Texture / Color Scanning	Yes
Minimum Capturable Feature Size	0.2 mm
Maximum Capturable Object Size	Theoretically unlimited. Practically, scans are limited to the available 16 GB storage capacity
Scanner Weight	709 grams
Scanner Dimensions	251mm x 119mm x 31mm
Operating Systems	ANY operating system that supports a modern web browser
Devices Supported	ANY device that supports a modern web browser
API Access	Yes
Open source project support	Yes
User-Custom Programming (Edge Computing)	Yes
Connection Type	WIFI / Gigabit Ethernet / Hotspot
Output Formats	OBJ, PLY, XYZ, GLTF, DAE, STL, FBX
Power Supply Input	100 - 240V AC, 50/60Hz
Power Supply Output	12V 4A