

MAF | matterandform.net

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.

Only

\$2,999

Ask for a quote!

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Academic Representative



Technology Education Concepts

www.TECedu.com | 800-338-2238
info@TECedu.com

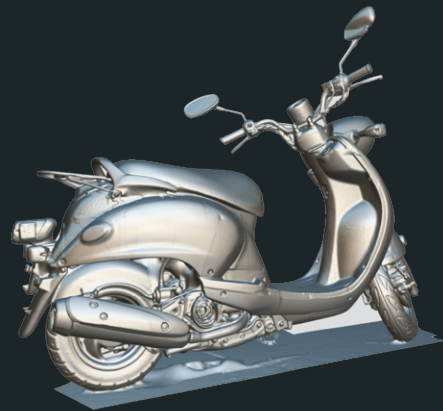


Vocational, University, CTE and K12 STEM

- 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



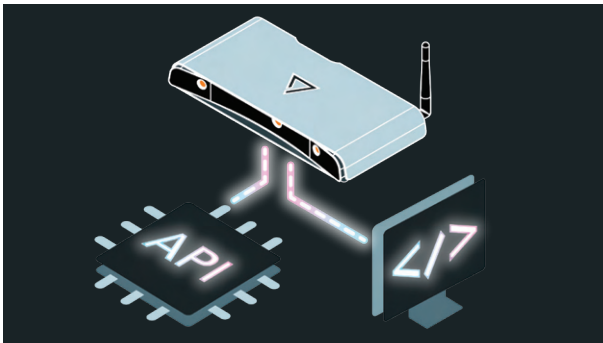
Scan Any Size

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 |