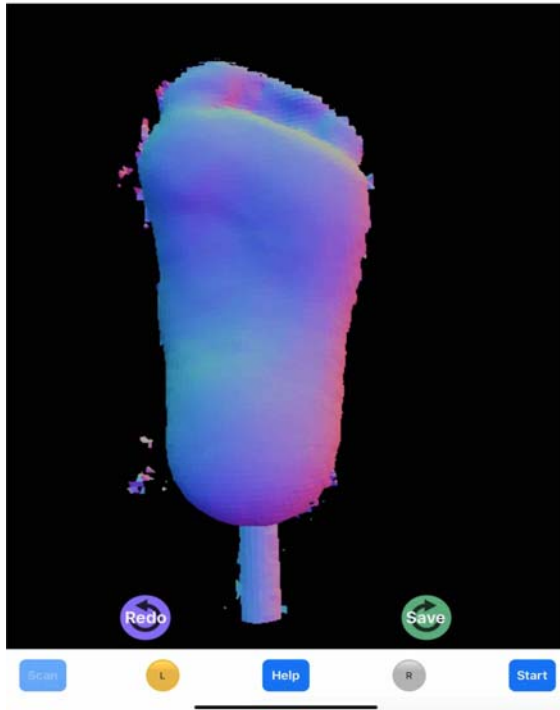


## *Introducing AOMS TOT jr*

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With our latest R&D, you do not need to attach an external sensor to the iPad to acquire the 3D contour of the foot for the AOMS system. Apple's TrueDepth cameras are built into some iPhone and iPad models. With these models, you can download our AOMS TOT jr App from Apple App Store, and start taking 3D data of the feet. The output files are in the popular OBJ file format, which can be directly imported to our AOMS TOT conversion software. The following two screenshots show you some results.



1. Foot can be scanned with adequate resolution

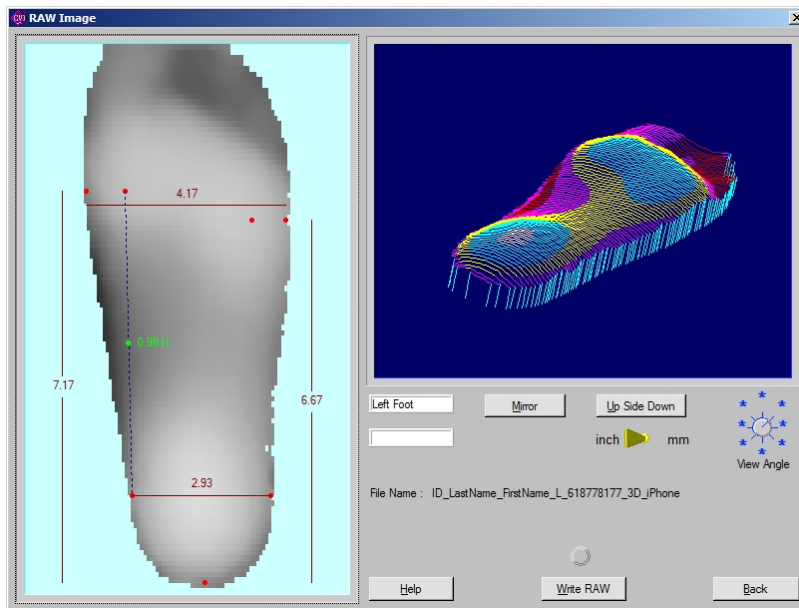


2. Even detailed features can be picked up

Although the initial app was released several months ago, only recent major upgrades give the users the ability to output OBJ files, to use Apple's Files App to share scanned files, and to be able to use more iPhone and iPad models. If you already have the app, you can download the latest upgrade.

Comparing AOMS TOT jr with AOMS TOT, the advantage of AOMS TOT jr is that no external sensor is attached. It means that you only need to carry and charge a single device. It implies that you have higher system reliability. With AOMS TOT, only iPads can be used. Now with AOMS TOT jr, iPads as well as iPhones, are options. We know some users prefer using iPads. Although small, it is not a 'taking a photo' approach. Instead, the user needs to move the device around the foot to acquire the 3D contour.

Although very promising, we are still facing some challenges. The foremost challenge is that the TrueDepth cameras are built at the front side of the iPhone and iPad, which is an inconvenience since it is hard to monitor the screen during foot scanning. Towards that, we have some preliminary solutions. Besides, the viewing and coloring features in AOMS TOT jr are not as rich as in the previous AOMS TOT app. Anyways, an example of the processed RAW file can be seen in the following screenshot.



3. Converted RAW file from AOMS TOT jr for the AOMS system

Please make sure you have an iPhone or iPad which has the TrueDepth camera in it before downloading the AOMS TOT jr App. The following 11-inch iPad Pro (2<sup>nd</sup> Gen) and iPhone XR shown in the picture were used in our development of this project and these are just two examples.



4. The iPad and iPhone used in developing the project

General information can be found from: <http://www.sharpshape.com/aomstotjr.html>; and setup/tutorial information can be found from: <http://www.sharpshape.com/aomstotjr2.html>. If you have questions, please contact us at [sharpshape@comcast.net](mailto:sharpshape@comcast.net). - End of File -