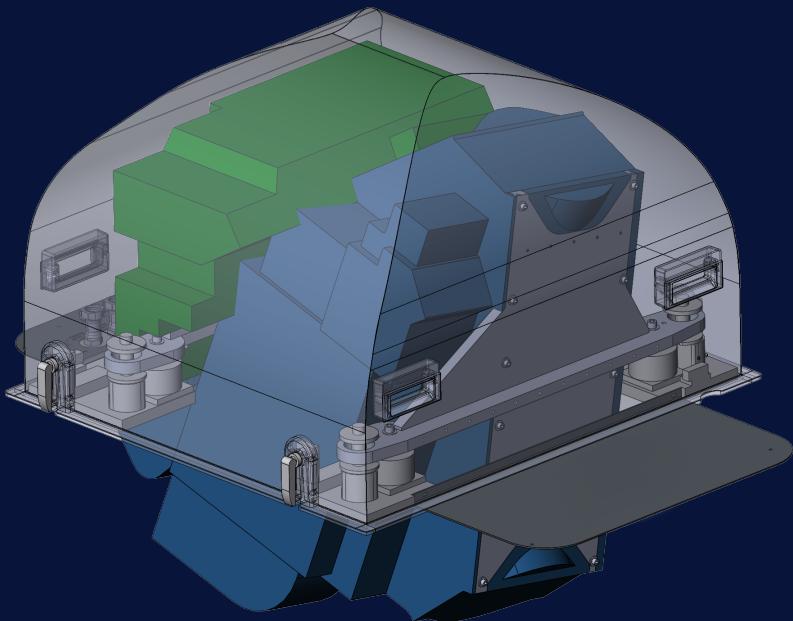




# Sequoia

*Next generation lidar*

Vertical orientation inside pressurized cabin | 266 lbs | uses 22 inch optical port | long standoff



**FLYING HEIGHT**

**20,000 – 50,000 ft**

**MEASUREMENT RATE**

**20 – 30 million denoised points/sec**

**DETECTOR PIXELS**

**8,000**

**ANGULAR RESOLUTION**

**34 µrad**

**TYPICAL VERTICAL PRECISION**

**5 cm**

**LASER POWER**

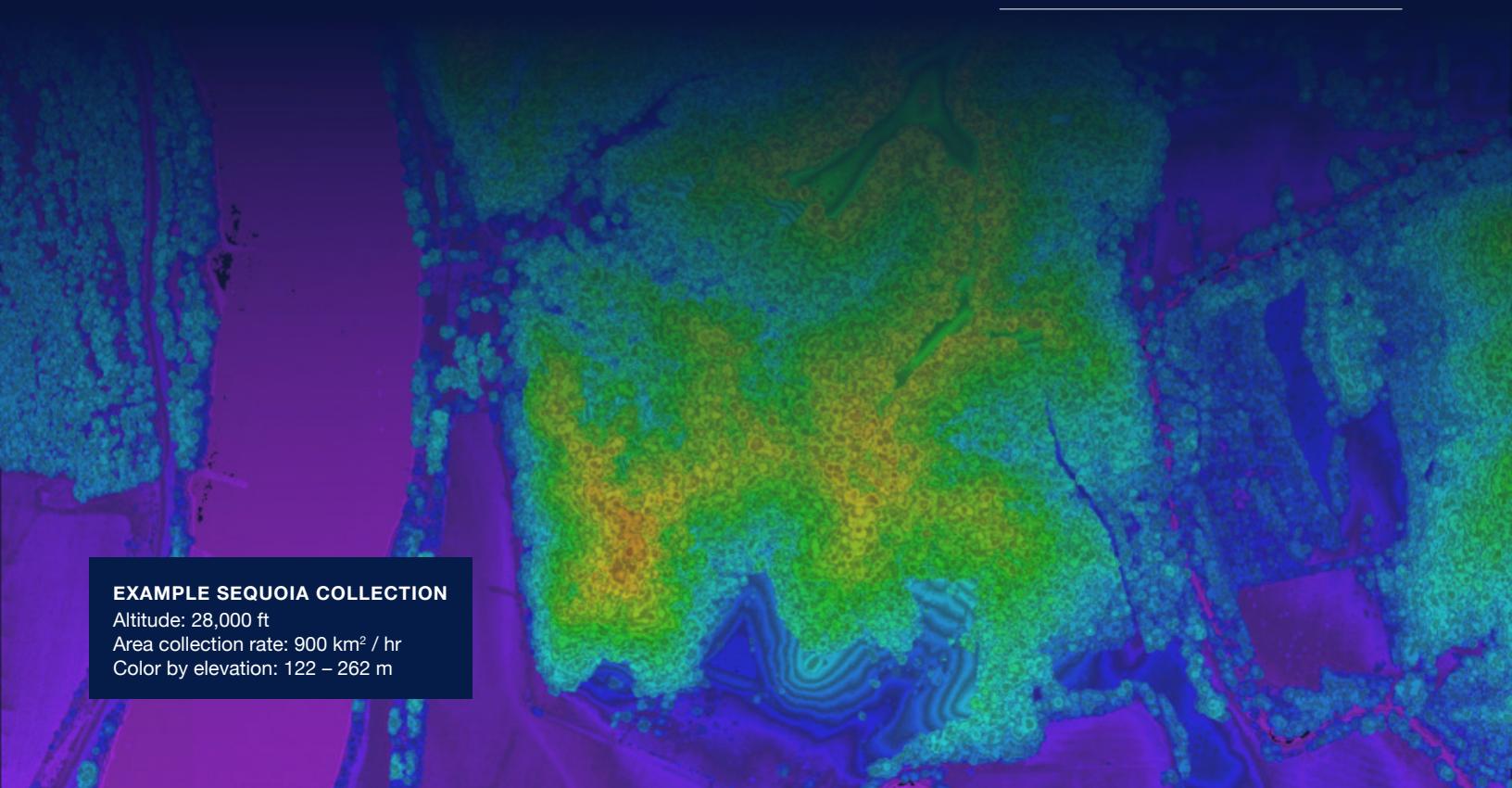
**100 Watt**

**EXAMPLE SEQUOIA COLLECTION**

Altitude: 28,000 ft

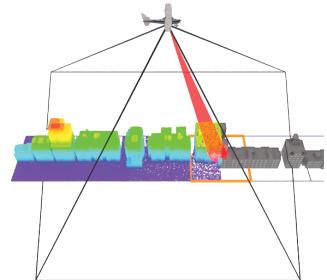
Area collection rate: 900 km<sup>2</sup> / hr

Color by elevation: 122 – 262 m



## Agile geo-referenced scanning

Lidar systems collect from 4 - 6 viewpoints in a single pass. The combined scans mitigate shadows under forest canopies and within urban canyons.

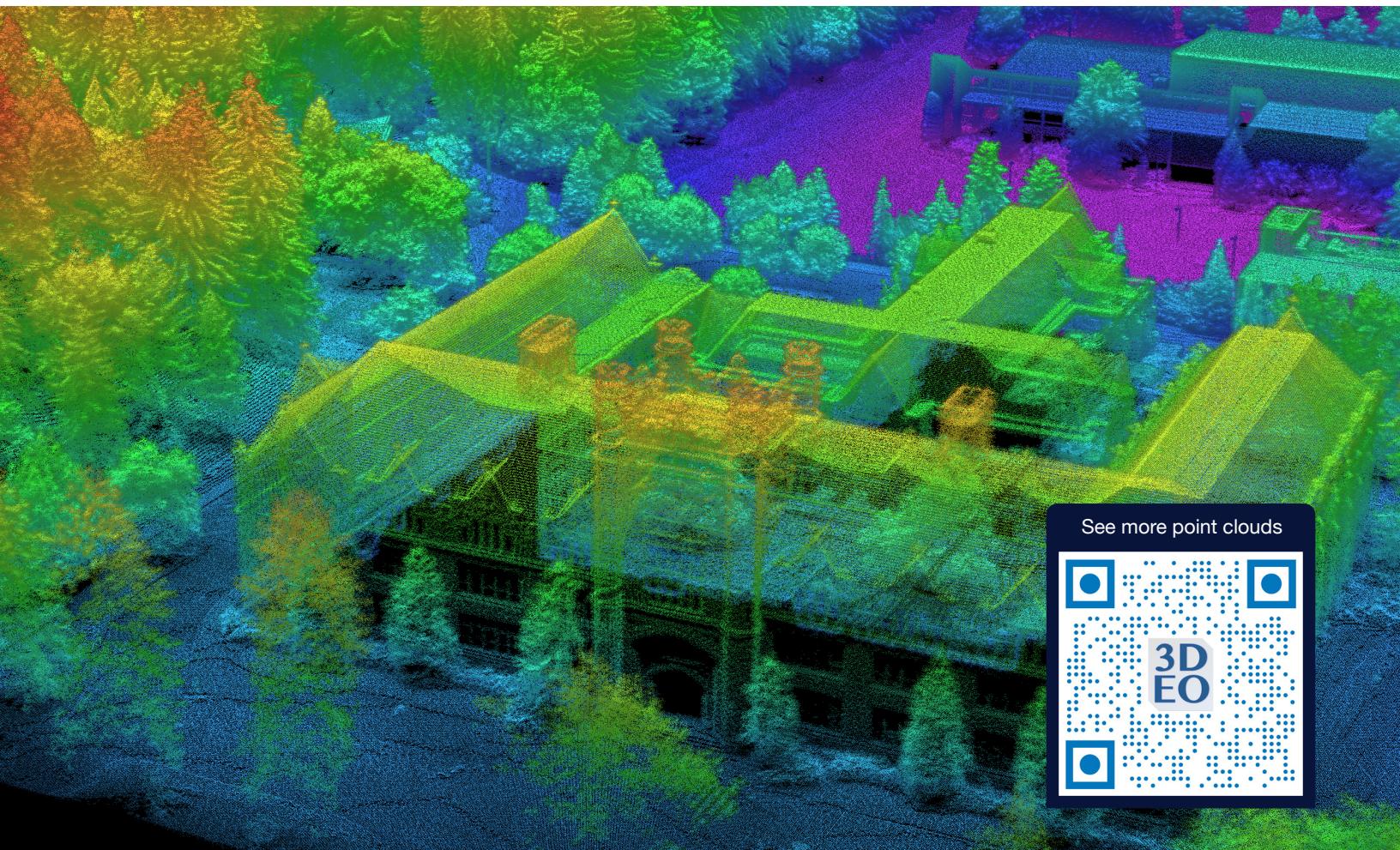


## Acadia

Acadia is 3DEO's software suite for processing raw lidar data into finished high-density 3D point clouds, complete with derived metadata such as relative reflectivity, height above ground and point confidence.

- ✓ Scalable across a compute cluster for elastic capability
- ✓ Accommodates third party modules into standard workflows
- ✓ Licensed on a per-sensor basis

Watch our explainer video



See more point clouds



**3DEO, Inc.**

[sales@3deolidar.com](mailto:sales@3deolidar.com) | [www.3deolidar.com](http://www.3deolidar.com)  
106 Access Road, Suite 106, Norwood, MA 02062 USA

@3deolidar