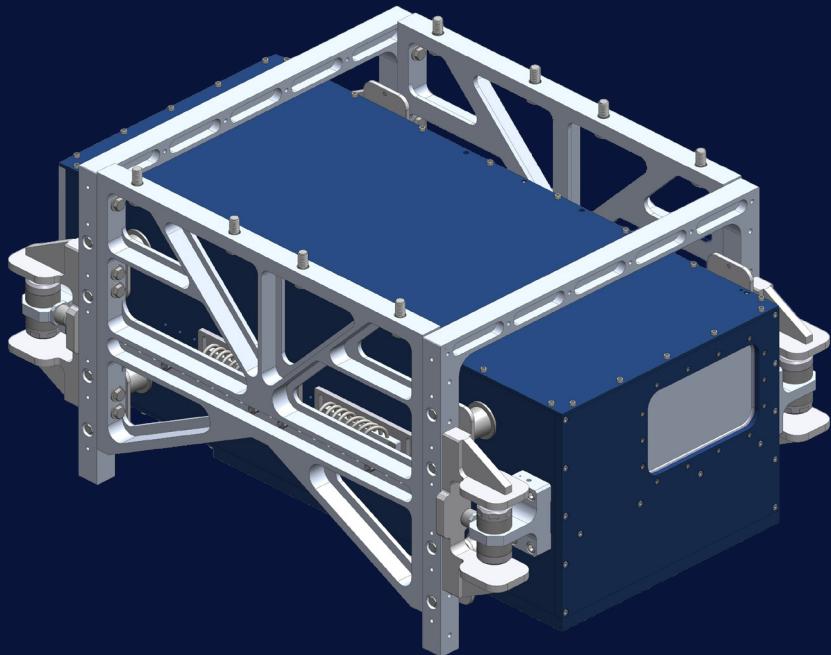




# Wrangell

*Next generation lidar*

Horizontal orientation inside external pod | 295 lbs | fits inside Avcon pod



**FLYING HEIGHT**

**5,000 – 16,000 ft**

**MEASUREMENT RATE**

**16 – 20 million denoised points/sec**

**DETECTOR PIXELS**

**8,000**

**ANGULAR RESOLUTION**

**76 µrad**

**TYPICAL VERTICAL PRECISION**

**5 cm**

**LASER POWER**

**50 Watt**

**EXAMPLE WRANGELL COLLECTION**

Altitude: 8,000 ft

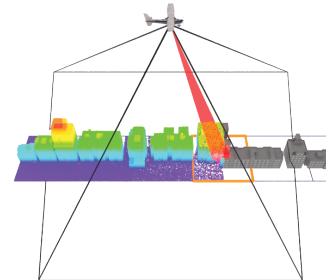
Area collection rate: 190 km<sup>2</sup> / hr

Color by height above ground



## 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.

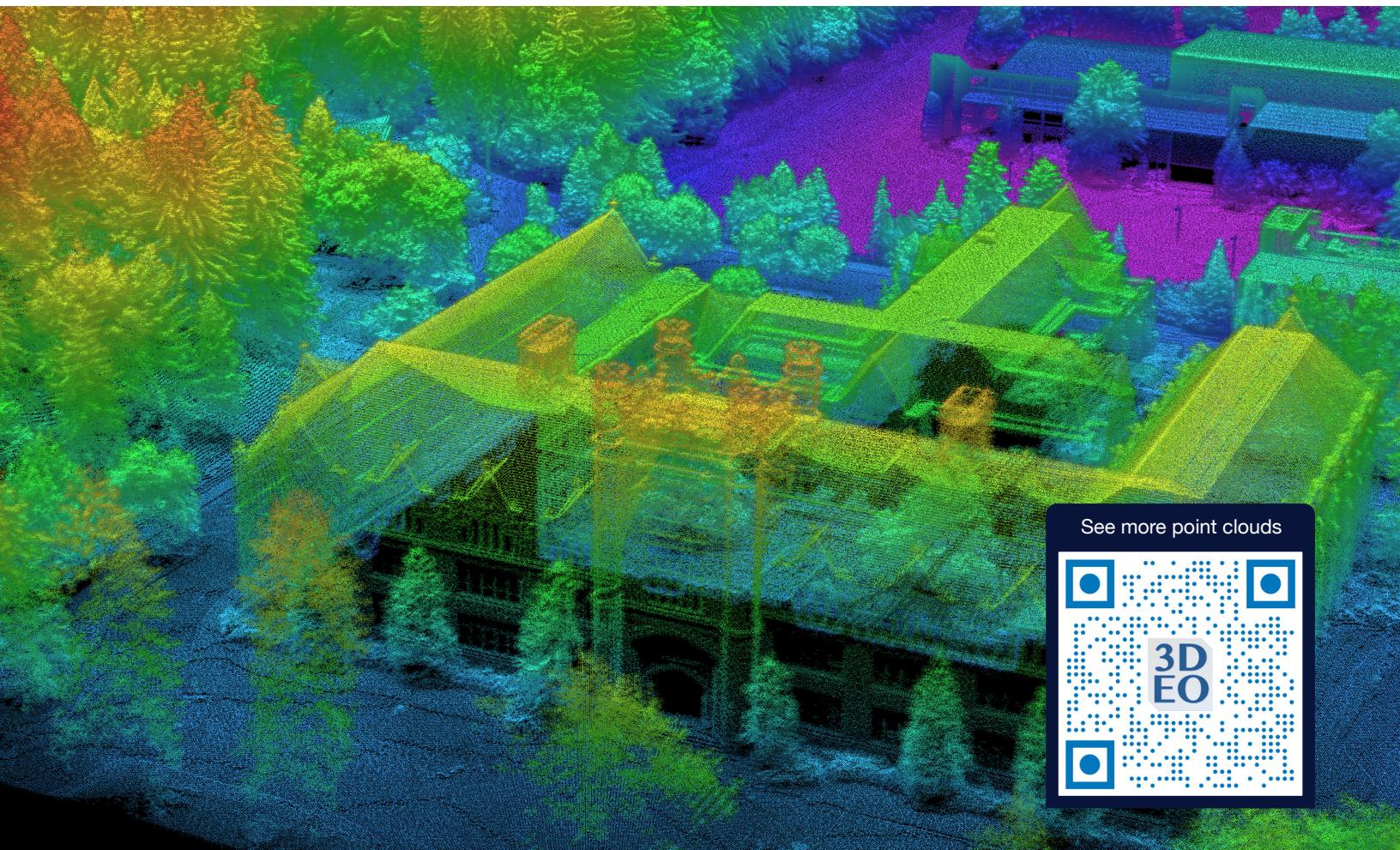


## Acadia

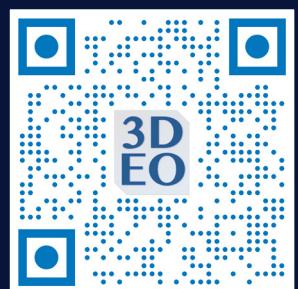
Acadia is 3DEO's software suite for processing raw lidar data into finished high-density 3D point clouds, complete with derived metadata such as relative reflectivity, height above ground and point confidence.

- ✓ 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



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