

TRINITY F90+

QUBE 240

Qube 240 Technical Specification



Wavelength	905 nm
Maximum altitude	140 m AGL
Suggested altitude	100 m AGL
Precision	1.8 - 2.5 cm*
Accuracy	< 3 cm**
Scanner field of view	70°
Shots per second	240,000
Point density @100 m	50 -100 points/m ²
Multi-echo technology	up to 3 echoes per shot
Payload weight RTF	948,7 g
Flight time	60 minutes

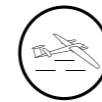
- Class 1 (Eye Safe)
- Applanix POSPac™ UAV, GNSS and INS software for PPK (license for one year included)
- YellowScan Cloudstation Software to generate survey grade LAS files (license must be bought separately)

* Precision, also called reproducibility or repeatability, accounts for the variation in successive measurements taken on the same target. Depends on altitude AGL
 **Accuracy is the degree of conformity of a measured position to its actual (true) value.

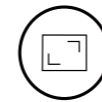
Sample Data



FLIGHT ALTITUDE
80 m | 262 ft AGL



FLIGHT SPEED
18 m/s



GSD
118 pts/sqm

Qube 240 LiDAR Scanner

The Qube 240 is a geomatics grade LiDAR providing essential information by generating an accurate point cloud of the processed environment through 240,000 distance measurements per second.



The Qube 240 produces outstanding absolute accuracy that is achieved with the help of the integrated Applanix APX15 INS. It generates precise, three-dimensional information about the shape of the earth and its surface characteristics, which is crucial for example for mine operators when calculating stock volumes,

for energy companies when inspecting power lines, elevation models of ground under dense vegetation, or for feed biomass calculation. LiDAR technology allows for mapping infrastructure and surveying large areas also at night.

