



Qube 240

LiDAR Scanner

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



The Qube 240 produces images with an unmatched level of accuracy that is achieved with the help of the integrated Applanix APX15 INS. It generates precise, three-dimensional information using the shape of the earth and its surface characteristics. This information can then be used in appli-

cations, such as calculating stock volumes in mines, inspecting power lines, gathering elevation models of ground under dense vegetation, or for calculating biomass feedstocks. LiDAR technology can also be used for mapping infrastructure and for surveying large areas, even at night.

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Technical Specifications



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

