

QUBE 240

Geomatics Grade LiDAR



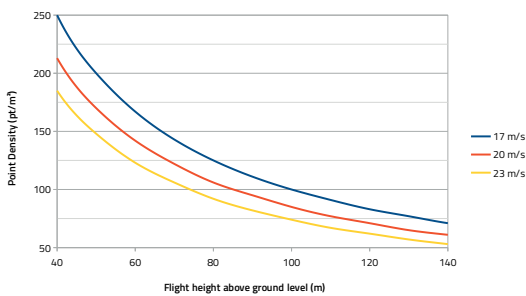
TECHNICAL DATA QUBE 240

- Class 1 (Eye Safe)
- 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°
- 240,000 shots per second
- Point density @100 m: 50 - 100 points/m²
- Multi-echo technology: up to 3 echoes per shot
- Applanix POSPac™ UAV, GNSS and INS software for PPK
- Qube 240 data processing software to generate survey grade LAS Files

TECHNICAL DATA TRINITY F90+ INCL. LiDAR QUBE 240

Max. Take-off weight	5.3 kg (11.7 lbs)
Max. Flight time	60 min
Max. Range = Area	70 km = 100 ha
Maximum flight altitude (MSL)	tba
Command and control range	5-7.5 km (3.1-4.7 mi)
Cruise speed	18 m/s (35 kn)
Wind tolerance (ground)	tba
Wind tolerance (cruise)	12 m/s (23.3 kn)
Operating temperature range	-12 °C to 50 °C (10.4 °F to 122 °F)
Wingspan	2.394 m (7.85 ft)
Transport case dimension	1002x830x270 mm (39.4x32.7x10.6 inch)

Point density by flight speed and altitude



*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.
 1 Subject to export regulation, may require export permission.
 2 Please be aware that the max. wind tolerance is reduced with increasing flight altitude.

