



LiDARit EXPLORER R

Point Cloud RMSE @ 100m	Recommended Scan Height	Weight (with photogrammetry tool)
35 mm	100 m	2,300 gr
Max Range @ Reflectivity	Pulses per second	Echoes
150 m @ 20%	320,000	2

Multi Platform



ADVANCED GEOSPATIAL DATA ACQUISITION SYSTEM

IDEAL FOR DEMANDING JOBS IN ALL TERRAINS

- Most advanced system in its segment.
- Best combination of capabilities at the price point in the market..
- Easy to use and transport.
- Up to 60 Ha per flight with M600.*

*Using TB48s- No high altitude above sea level - No strong winds

POWERFUL ENTERPRISE SOLUTIONS FROM LIDARIT

- LiDARit Manager included: process data in record time - saving time and money.
- Annual maintenance program.
- Hot swap available when repairs needed.
- Enterprise warranty options with 1 or 2 crashes repaired or replaced annually.

Our systems work on projects of:

Agriculture

Forestry

Mining

Roads

Power lines.

Survey

+52 (618)8117672

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Platform

Range:	150m (@20%)
Recommended Scan Height:	100m
Recommended Distance between lines:	100m
Point Cloud RMSE @ 50m:	25mm
Point Cloud RMSE @ 100m:	35mm

Mechanical/ Electrical/ Operational

Voltage main port:	19.5V
Voltage secondary port:	15-30V
Weight (with photogrammetry tool):	2300gr
Power Consumption:	30 - 50W

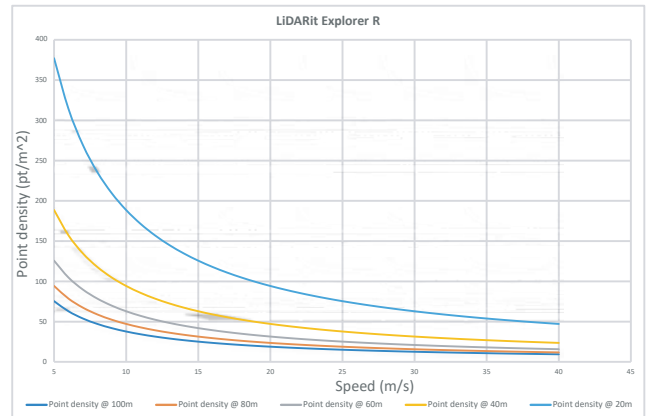
Navigation system

Constellation support:	GPS, GLONASS, BEIDOU, GALILEO
Support Alignment:	Static, Kinematic, dual antenna
Operation mode:	Real-time and postprocessing
Accuracy Position:	1cm + 1ppm RMS horizontal
Heading RMSE:	0.016° IMU options.
Position accuracy:	± 1cm
Roll and pitch accuracy:	0,003°
Data rate:	200Hz

Lidar Sensor

Laser:	16 Channels
Number of echoes:	2
Scanning method:	Mechanical rotation
Laser class:	Class 1
Pulses:	320k/s
Field of view:	360°*30°
Rotation rate:	5Hz - 20Hz
Resolution:	0.09*2.0
Point density at 70m (flat terrain):	62p/m2

Point density at certain speed



LiDARit Manager

Processing APP

Complexity level:	2 clicks
Time to get final deliverables:	Three days*
Completely confidential:	Highest level of security

*For 50ha projects.



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