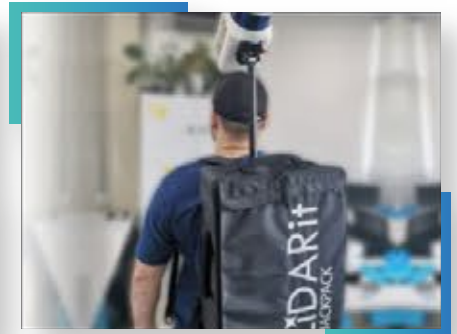


LiDARit EXPLORER R



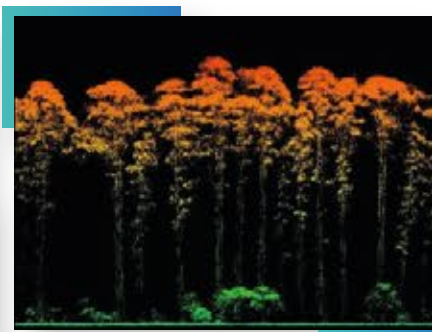
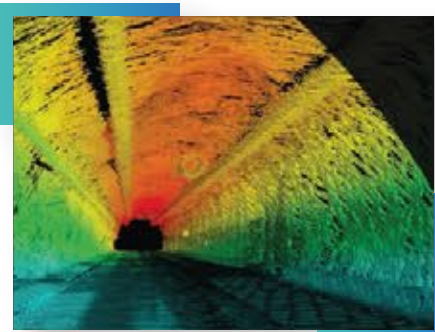
Max Range @ Reflectivity	Laser accuracy	Point Cloud RMSE @100m	Echoes	Maximum recommended scan Height
150 m @ 20%	2cm @ 150m	2.5 cm @ 50 m	2	100 m

High accuracy Multi-platform LiDAR system.



Multi-purpose LiDAR system.

From canopy penetration, accuracy stockpile measurements, or underground/indoor survey to detailed surveying of the complete studies area. See point-cloud images by our user across the globe below.



Platform

Range:	150m (@20%)
Maximum recommended Scan Height:	100m
Maximum recommended Distance between lines:	100m
Point Cloud RMSE @ 50m:	2.5cm

Mechanical/Electrical/Operational

Voltage main port:	19.5V
Voltage secondary port:	15-30V
Weight:	1600gr
Power Consumption:	30 - 50W

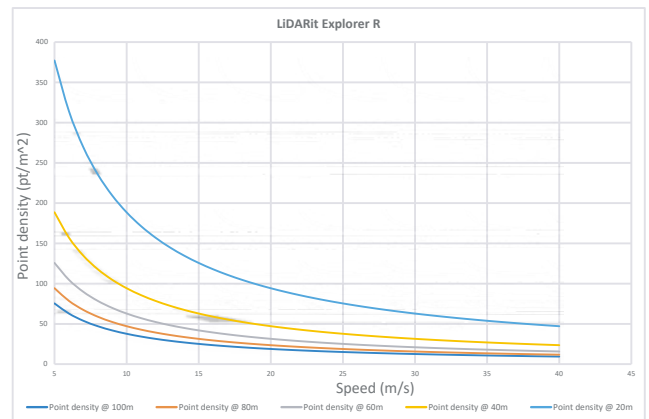
Navigation System

Constellation support:	GPS, GLONASS, BEIDOU, GALILEO
Support Alignment:	Static, Kinematic, dual antenna
Operation mode:	Real-time and postprocessing
Heading accuracy (RMS 2σ):	0.011° IMU options
GNSS accuracy (RMS 2σ):	< 1cm
Roll and Pitch accuracy (RMS 2σ):	0,005°
Data rate:	200Hz

LiDAR Sensor

Laser:	16 Channels
Number of echoes:	2
Laser class:	Class 1
Pulses:	320k/s
Field of view:	360°x30°
Rotation rate:	5Hz - 20Hz
Resolution:	0.09°x2.0°
Point density at 100m:	71p/m ²

Point density at certain speed



LiDARit Manager included Data processing by just two Clicks

Empower your collaborators with cloud-based processing web viewer and expert supervision.

Data processing: Automatic

Security: Encrypted end to end

