

# LIDARit EAGLE X

Point Cloud RMSE @ 100m	Recommended Scan Height	Weight (with photogrammetry tool)
<b>35 mm</b>	<b>140 m</b>	<b>3000 gr</b>
Max Range @ Reflectivity	Pulses per second	Echoes
<b>200 m @ 10%</b>	<b>720,000</b>	<b>2</b>

## Multi Platform



## LIDARit EAGLE X IS THE BEAST

### EXCELLENT ACCURACY AND GREAT PERFORMANCE

- ✦ Most advanced system in its segment.
- ✦ Excellent option for building high-density cloud points.
- ✦ Lightweight and long-range.
- ✦ Easy to use and transport.
- ✦ Up to 100 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



## Platform

Range:	200m(@10%)
Recommended Scan Height:	140m
Recommended Distance between lines:	140m
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):	3000gr
Power Consumption:	among 30 and 50W

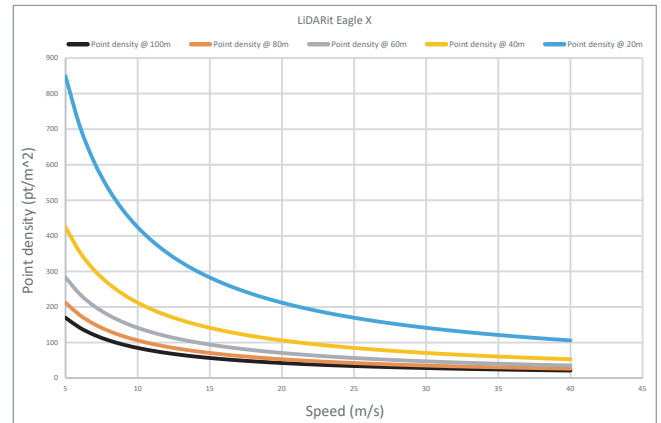
## Navigation system

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:	40 Channels
Number of echoes:	2
Scanning method:	Mechanical rotation
Laser class:	Class 1 Eye Safe
Pulses:	720k/s
Field of view:	360°*40°
Rotation rate:	20Hz
Resolution:	0.4
Point density at 70m (flat terrain):	139p/m <sup>2</sup>

## 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.

