

LiDARit

LiDARit systems comparative table

System	LiDARit Sparrow	LiDARit One	LiDARit Explorer R*	LiDARit Eagle X	LiDARitSky
Type of study	Pre-feasibility		Feasibility / Design / Survey grade accuracy		
Precision (RMS 2σ)	8 cm @ 50m	5 cm @ 50m	2.5 cm @ 50m 3.5 cm @ 100m	2.5 cm @ 50m 3.5 cm @ 100m	2.5 cm @ 350m
LiDARit Manager®	✓	✓	✓	✓	✓
Scanning Method	70.4°	360°	360°	360°	64°- 90°
weight	1,2 kg	1,4 kg	1,6 kg	2,2 kg	4.95 kg
Coverage per flight**	150 Acres Coverage	85 Acres Coverage	150 Acres Coverage	250 Acres Coverage	-
Data Processing Included***	4500 acres	2550 acres	4500 acres	7500 acres	-

* Explorer R available in the [Subscription Model](#)

**One Flight in Alta 8 Drone (15 min @10m/s) 50% overlap

***30 flights or coverage per flight into 30 flights (whichever comes first in the first year)

Multi-platform and Multi-Purpose:

Drone Applications	✓	✓	✓	✓	✗
Airplane Applications	✗	✗	✓	✓	✓
Car Applications	✗	✓	✓	✓	✗
Walking - Backpack	✗	✓	✓	✓	✗
Underground / Indoor	✗	✓	✓	✓	✗

Industrial Solutions:

Mining	Not Recommended	Not Recommended	✓	✓	✓
Forestry	✓	✓	✓	✓	✓
Power Lines	✓	✓	✓	✓	✓
Agriculture	Not Recommended	✓	✓	✓	✓
Road and Construction	✓	✓	✓	✓	✓

Industrial applications:

Mining	Exploration in the development of mining projects /Production site underground / indoor /Stockpiles /Mining pit
Forestry	Agroforestry planning design / roads design, risks, and slopes / flooded areas. Measurement and control of agroforestry plantations / Inventory
Power Lines	Design of roads and electric power transmission lines /Project viability / Measurement and control of land and sand movements / Maintenance of power lines.
Agriculture	Crop mapping and analysis: identification of production areas / water catchment and irrigation calculation/ damages and erosion flow
Road and Civil Projects	Identification of road states / Urban development verification / Highways and Roads design / Tunnels / Autonomous vehicle tracking

Survey grade accuracy (RMS 2σ) 95% reliability

