

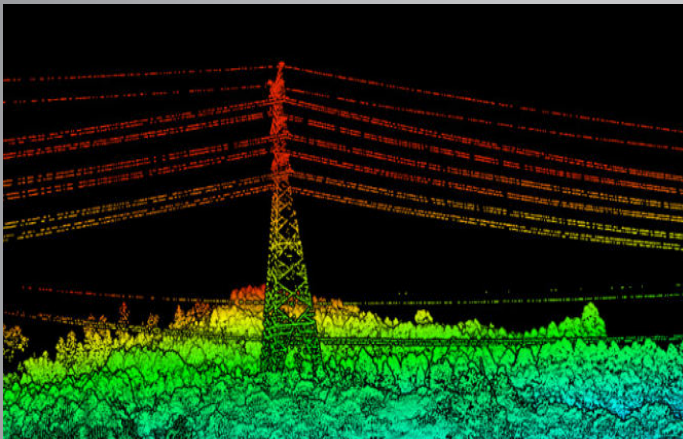
LI AIR 220

UAV 3D Mapping System



LiAir 220

Choose between Standard (S220) and Premium (P220) aided by inertial navigation packages for resolving system position ambiguities occurred during data collection. An optional high-definition digital camera module is available for those seeking to produce true color 3D point clouds. The LiAir 220 provides a turnkey solution for those requiring both high-accuracy and high-density ground point at an affordable price point.



Acquisition & GNSS/INS Post-Processing Software

LiAcquire is a data acquisition software for device control and real-time data displaying. It integrates an GNSS/INS post-processing module LiNav, which provides tools to process GNSS/INS data acquired by the LiAir system and can generate centimeter-level positioning results for point cloud and image georeferencing. It can also simply generate a system performance report for evaluation with one click.

Mission Planning Software

LiPlan is iPad APP which supports planning flight trajectory, taking off/landing with one-button, performing gure-8 calibration maneuver automatically, and uploading/downloading flight mission to/from LiCloud. LiPlan is a perfect flight control and planning software for users in any industry.

Specifications	
Laser Sensor	Hesai Pandar40P
Range Accuracy	±2 mm
Maximum Range	220m
System Relative Accuracy	±5 cm(S220) ±4 cm(P220)
POS System Performance	Attitude:(S220) 0.1°(1) Azimuth:(S220) 0.1°(1)
	Attitude: (P220) 0.015° (1) Azimuth: (P220) 0.08° (1)
Onboard Storage	128 GB
Ports Available	Ethernet & USB 3.0
Weight	4.24 kg excl. battery & camera
Dimensions (Main Unit)	1170*208*123.5 mm
Max. Flight Time	21 min
Camera	Sony a6000
Route Planning Software	LiPlan (proprietary)
Acquisition / PP POS Software	LiAcquire (proprietary)
Vertical FOV	-25°~ 15°
Horizontal FOV	360°