LiAir 220

UAV 3D Mapping System

GreenValley International

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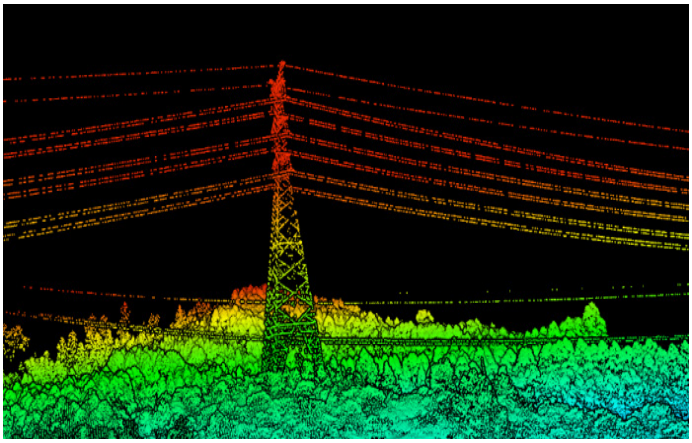
Choose between Standard (S220) and Premium (P220) aided by inertial navigation packages for resolving system position ambiguities occured during data collection. An optional high-definition digital camera module is available for those seeking to produce true color 3D point clouds. The LiAir 220 provides 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 fight trajectory, taking off/landing with one-button, performing gure-8 calibration maneuver automatically, and uploading/downloading fight mission to/from LiCloud. LiPlan is a perfect ight control and planning software for users in any industry.

Specifications

Laser Sensor	Hesai Pandar40P
Range Accuracy	±2 cm
Maximum Range	220 m
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°