\bigcirc **SPECIFICATION**

LiDAR-wiz
Scan2Cloud
UAV-based scanning & imaging
70.4°(H.)x77.2°(V.)
1.015 kg
155x92x93 mm
12-24 V
20 W
GPS L1/L2/L5; Glonass L1/L2;
BDS B1/B2/B3; Galileo E1/E5a/E5b
-20~+55°C
SD card, 64 GB on board, 128 GB external
≤5 cm (H. 2 cm; V. 3 cm typical)
200 Hz
pitch/roll 0.025°; heading 0.08°
standard flange connector

Scanner Type	solid state sensor
aser Safety	Class 1 (IEC 60825-1:2014)
aser Wavelength	905 nm
aser Channel	equivalent to 64-channel
Scanner Ingress Protection	IP 67
Relative Accuracy	optimal 2 cm (1o @ 20m)
Absolute Accuracy	≤10 cm @100 m
Number of Echoes	max. 3 returns
Measurement Rate	max. 720,000 points per second
	(in triple returns)
Measuring Range	max. 450 m @ 80% reflectivity
Scanning Height	typical 50-200 m, best below 150 m
nbuilt Camera	26 MP, E17 mm
maging Field-of-View	83°
Friggering Mode	equidistance/isochronal
Carrying Case Size	155x92x93 mm



One-key Operation. **One-step Processing**.



LiDAR-wiz, Scan2Cloud Series

AERIAL EFFICIENCY Ŵ

flight height imaging resolution point density absolute accuracy aerial coverage 53 m 1.25 cm approx. 200-300 pts/sq.m ≤5 cm approx. 100 ha 1.5 cm ≤7 cm 64 m approx. 180-250 pts/sq.m approx. 120 ha 85 m 2.0 cm approx. 150-230 pts/sq.m ≤10 cm approx. 150 ha 106 m 2.5 cm approx. 120-180 pts/sq.m ≤12 cm approx. 180 ha 128 m 2.5 cm approx. 100-150 pts/sq.m ≤15 cm approx. 200 ha

Note: the data shown above is based on flat terrain conditions for job reference only, and the estimated coverage per flight is computed with 10m/s flight speed, horizontal FOV 77° and 30 minutes for a mission. Complex terrain of elevated areas or vegetated zones might reduce the work efficiency somehow. The point density varies greatly from reflective distance and reflective ratio of the target, moving speed of the carrier and air permeability. In case that colorized point cloud and orthophoto map are supposed to generate both, the aerial coverage will be accordingly decreased due to higher side overlapping or say, smaller strip interval to meet photogrammetry requirements.





GUANGDONG KOLIDA INSTRUMENT CO., LTD.

Add: 7/F, South Geo-information Industrial Park, No.39 Si Cheng Road, Tian He IBD, Guangzhou 510663, China Tel: +86-20-22139033 Fax: +86-20-22139032 Professional's Choice Email: export@kolidainstrument.com market@kolidainstrument.com

Drone-eco Plus, Fly2Map Series

http://www.kolidainstrument.com







