

SPECYFIKACJA



LiDAR

Range	
S2 reflectivity	120 m @ 80%
	80 m @ 10% reflectivity
S2 PRO reflectivity	120 m @ 80%
	80 m @ 10% reflectivity
S2 MAX reflectivity	300 m @ 80%
	80 m @ 10% reflectivity
Channels	
S2	16
S2 PRO	32
S2 MAX	32
Speed	
S2	320,000 pts/s
S2 PRO	640,000 pts/s
S2 MAX	640,000 pts/s
FOV	360° x 270°
Safety Level	Class 1 / 905nm, eye safety

System Parameters

Relative Accuracy	1.2 cm
Absolute Accuracy cm	3
Weight	1.8kg
	(Excluding battery, external camera and RTK module)
Battery Life	3 h
	(with 1 set of 2 batteries)
Storage	512 GB
	(1TB expandable)
Operating Temperature	-10°C - 50°C
Power Consumption W	25
Dimensions mm	107 x 118 x 398
	(including base and battery)
Data Export A	Wi-Fi, USB Type-C, USB Type-A
Point Cloud Format .e57	.las / .ply / .pts /
Power Supply	10.8 V, 3 A

Camera

Resolution	2 x 12 MP
FOV	200°
Visual SLAM	Support
Image Export	Support
Image Format .jpg	

GNSS

Satellite Constellation L5	GPS L1 / L2 /
	BDS B1 / B2 / B3
	GLONASS L1 / L2 / L3
	Galileo E1 / E5a / E5b / E6
RTK Accuracy RMS	H: 8 mm + 1 ppm
	V: 15 mm + 1 ppm RMS
PPK	Support

(*Accuracy measured in experimental environment)