

# R2A

# Specifications

RGB Camera	Sony a5100 - 24 MP camera
Operating Conditions	-20°C to 65°C
Power Consumption	12.5 Watts
IMU Attitude Acc	<0.006 deg Pitch and roll; < 0.03 deg Heading
IMU Position Acc	0.5cm (PPK); 1cm + 1ppm (RTK)
MAX Points Per Second	720,000 points/s (triple return)
Scan Rate	240,000 pts/s and 3 returns
Field of View	70.4° (Horizontal) ×4.5° (Vertical)
Weight	1.30 kg
Storage	256 GB Provided (1TB supported)
System Accuracy	± 5 cm
	450 m @ 80% reflectivity
	260 m @ 20% reflectivity
Scan Range	190 m @ 10% reflectivity
Range Accuracy	± 2 cm
Laser Sensor	LiVOX AVIA
ROCK HARDWARE	ROCK-R2A