

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 |