

GreenValley LiAir X3C-H

Specifications

System Parameters

Detection Range: 80m (reflectance $\geq 10\%$) | 200m (reflectance $\geq 54\%$) | 300m (reflectance $\geq 90\%$)
Accuracy (Vertical): 5cm@70m
Typical rec.Collection Speed: 5-10m/s
Memory: 256G TF Card
Weight: 1.12 kg
Power Consumption: 24W
Voltage: 12-24V
Storage Temperature: -30-60°C
Operating Temperature: -20-50°C
Communication: WIFI

LiDAR Unit

Wavelength: 905 nm
Laser Frequency: First Return: 640,000 points/s
Dual Return: 1,280,000 points/s
Triple Return: 1,920,000 points/s
Number of Channels: 32
FOV: 360° (Horizontal) x 40.3° (Vertical)
Number of Returns: 3

Inertial Navigation System

GNSS: GPS, GLONASS, BeiDou
Attitude Accuracy: 0.008°
Azimuth Accurac: 0.038°
Data Frequency: 200HZ

Camera

Pixels: 26 MP
Focal Length: 16mm/24mm (Equiv.Focal Length)
Image Size: 6252 x 4168

Software

Post-processing: LiDAR360/LiPowerline (Optional)

Pre-processing: LiGeoreference