TRUEVIEW

TV720 Specifications

TrueView 720 is our fourth generation RIEGL integration. This is the system for high point density corridor mapping. Using the RIEGL VUX-120 with 3 lidar scanners (oriented nadir and +10 degrees forward and -10 degrees backward) and 3 oblique/nadir cameras for extremely detailed data collection in one flight path. When scanning power lines, users will be able to capture the poles vertically, front and back. The system can be integrated with drones, airplanes, or helicopters. Ask about custom camera configurations to cover your specific needs.

Specification	Value
Data Collection	LIDAR + Imagery
LiDAR Scanner	RIEGL VUX-120
LIDAR Beams/Returns	Up to 5 per outgoing pulse
LIDAR Range - usable	720m for targets with > 20% reflectivity
Positioning and Orientation System	Applanix APX-20, ask for other IMU options available
Pulse Repetition Rate	Up to 2.4Mhz (selectable)*
Accuracy	Better than 2.5 cm RMSE (660)
Precision	Better than 2 cm at 1 σ
Camera Sensor	3 Sony IMX-183: 1", 20 MP, RGB -> 60 MP per payload. Ask for further custom camera integration.