



YellowScan LiveStation.



Real-time in-flight LiDAR monitoring station

YellowScan LiveStation enables you to monitor in real time the validity and quality of the data being collected by the YellowScan LiDAR systems, to ensure that the survey is going smoothly.

A must for long endurance or critical LiDAR flights.



Main features

- ▶ Live 3D point cloud visualization (including zooming, translation and rotation)
- ▶ Live trajectory visualization
- ▶ Speed, altitude, IMU & GNSS
- ▶ Mission replay

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YellowScan LiveStation provides system operators with the immediate and relevant information needed to ensure a smooth acquisition even in difficult working conditions.

YellowScan LiveStation renders a real-time, three-dimensional representation of the point cloud

during flight, with ability to zoom, translate or rotate. Simultaneously, the user interface presents an immediate summary of the system's status.

Missions can later be replayed for analyzing flight conditions and data.

General Characteristics.

✓ Live visualization during flight and mission replay:

- ▶ Point cloud (Top or 3D view)
- ▶ Flight trajectory
- ▶ Transect (LiDAR position, first and last echoes)
- ▶ Attitude

✓ Navigation controls & status:

- ▶ IMU & GNSS
- ▶ Speed & Altitude
- ▶ Elapsed Time
- ▶ Radio signal

✓ Technical specifications:

- ▶ Operating on Windows 7 to 10 and Linux
- ▶ Connection to the YellowScan systems using 900 MHz or 2.4 GHz radio-modems (weight: 90g including antennas and cable, up to 1W) or serial cable for manned aircrafts.

✓ Viewer parameters:

- ▶ Point size and color
- ▶ Quick preset views

Designed by surveyors for surveyors, for complex and long endurance flight operations, YellowScan LiveStation uses cutting-edge visualization design.

