

Airframe: Technical Data Sheet

2D Orthographic Map

Top-down, georeferenced, orthorectified map (like Google Earth). Map is orthorectified to photogrammetric standards.

Specifications:

- **Resolution:** Low (8 cm/pixel GSD), Medium (5 cm/pixel GSD), High (2 cm/pixel GSD)
- **Accuracy:** Low (16 cm XY, 24 cm Z), Medium (10 cm XY, 15 cm Z), High (4 cm, XY, 6 cm Z)

File Type: .geotiff and available through wtms

[2D Ortho Sample](#)

3D Point Cloud

A set of 3D data points represented in a coordinate system. Points have an X, Y, and Z value and RGB color value.

Specifications:

- **Resolution:** Low (9 points/sq m), Medium (36 points/sq m), High (81 points/sq m)
- **Accuracy:** Low (± 24 cm), Medium (± 15 cm), High (± 6 cm)

File Type: .las, .laz

[3D Point Cloud Sample](#)

Aerial Photos

Aerial images can be Oblique (at an angle) or Nadir (straight down) orientation.

Specifications:

- **Resolution:** Low (8 cm/pixel GSD), Medium (5 cm/pixel GSD), High (2 cm/pixel GSD)

File Type: .jpeg

[Aerial Photo Sample](#)

Elevation Model

Digital elevation models and elevation heat maps are matched to specified coordinate system. Grid spacing is customizable.

Specifications:

- **Accuracy:** up to 9 cm (Z)

File Type: .geotiff, .dem

[Elevation Model Sample](#)

Topographic Contours

2D vector representation of 3D elevation data are matched to specified coordinate system. Intervals are customizable.

Specifications:

- **Accuracy:** up to 9 cm (Z)
- 1 ft contours standard (or other intervals as requested by client)

File Type: .dxf, .shp, .txt, .dwg

[Topo Contours Sample](#)

3D Mesh Model

3D model based on point cloud output, for importing into CAD applications.

Specifications:

- Dependent upon 3D Point Cloud resolution

File Type: .obj, .dxf

[3D Mesh Model Sample](#)