

Aeryon Map Edition

YOUR COMPLETE AERIAL MAPPING AND SURVEYING SOLUTION

Aeryon Map Edition is a bundled offering that provides an end-to-end aerial surveying and GIS solution.

Aeryon small Unmanned Aerial Systems (sUAS), **Aeryon Scout™** and **Aeryon SkyRanger™**, enable the immediate and reliable collection of high quality aerial imagery and integrate seamlessly with a variety of image processing options that give everyday users and GIS specialists the ability to gather aerial imagery faster, more accurately and more cost-effectively than satellites, manned aircraft or ground-based measurements.

As a Vertical Take-Off and Landing (VTOL) aerial vehicle, Aeryon sUAS can operate lower and slower than manned aircraft, and fly in confined environments where fixed-wing UAVs cannot operate safely. The result of this capability is incredibly detailed imagery, up to 1cm/px resolution, required for precise modeling and measurement.



Lightweight and easy to use, Aeryon sUAS provide:

- + Point-and-click touchscreen navigation and camera control – no joysticks required
- + Single operator transport and deployment, no launch or recovery equipment
- + Reliable flight performance even in the most demanding weather conditions, when other systems cannot fly
- + Integrated and independently stabilized imaging payloads
- + Embedded geotags and metadata enable sharing live target location and image processing
- + Automated or dynamic flight plans to generate detailed image mosaics and maps

The **Aeryon Map Edition** is designed for any application that requires survey-grade accuracy orthomosaics, Digital Surface Models (DSMs) and point clouds from aerial or oblique imagery – and seamless integration with GIS, CAD and traditional photogrammetry software.

Aeryon Map Edition includes:

- + Aeryon Scout or Aeryon SkyRanger sUAS
- + Integrated imaging payload for image capture (according to sUAS model)
- + Pix4Dmapper software to enable field and office image processing, including integrated tools for 3D output visualization and editing



Photo courtesy of I2S Ltd.

Aeryon Map Edition Key Features

- + Choice of Aeryon sUAS and integrated imaging payload (2- and 3-axis stabilized) to meet application needs
- + Integrated multi-camera support (several cameras for one project, including RGB and IR)
- + Aerial and oblique imagery can be stitched together
- + View, assess, edit, interpret and improve results directly in the software



Output results

2D and 3D output results are easily readable by standard GIS, CAD and Photogrammetry software packages

2D output results	+ Geo-referenced orthomosaics in GeoTIFF output format
	+ Google tiles export in KML and HTML output format
3D output results	+ Geo-referenced DSMs in GeoTIFF output format
	+ TIN model
	+ Point cloud in LAS, LAZ, XYZ and PLY output format

Object export in DXF, SHP and KML format

Quality report

For information about Aeryon Map Edition, Pix4Dmapper software or other GIS solution inquiries; contact your **Aeryon Sales Representative**.

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