



VISIONMAP
Digital mapping systems

**Largest Footprint
Fastest Processing**

**Digital
Mapping
System**

A3



A3 LightSpeed



A3 Camera

A3 airborne digital mapping system captures and processes areas 2-3 times larger than competing systems. Complemented by the A3 LightSpeed processing suite, it produces high-end photogrammetric products in an automatic workflow

The system is comprised of the A3 advanced digital aerial camera with the largest footprint in the market and the A3 LightSpeed fully automated processing system.

The camera can be easily integrated to various aerial survey aircraft and the processing system is among the most efficient and easy to use.

A3 benefits:

1. Reduce flight hours, operational costs and CO² emissions
2. Minimize weather and flight limitation
3. Fastest turnaround
4. End-to-end photogrammetric processing

A3 advantages:

1. The largest footprint across track, up to 60,000 pixels
2. Vertical and oblique imagery from a single flight
3. The fastest photogrammetric workflow with automatic processing of:
 - Aerial triangulation
 - Orthophoto
 - Dense DSM
 - Stereo models for mapping
 - Photogrammetric oblique imagery
4. Lightweight, small form factor and easy installation
5. No preliminary DTM, no ground control and no IMU required

A3

Digital Mapping System

What makes A3 system extremely productive?

- A3 Camera superior image collection efficiency
- A3 LightSpeed fastest automatic processing workflow
- A3 Multiple products - vertical and oblique imagery in one flight

A3 Applications:

Wide area survey >

The A3 camera can capture 20,000 km² in a typical flight day at 25 cm GSD. A3 extremely productive imagery collection enables survey of large areas to be completed after several good flight days and to be automatically proceeded soon thereafter.

Rapid response >

In cases like flooding, earthquake or other, the A3 system can capture and deliver processed images within hours. The combination of vertical and oblique imagery provides more geospatial information for situational awareness and field assessment.

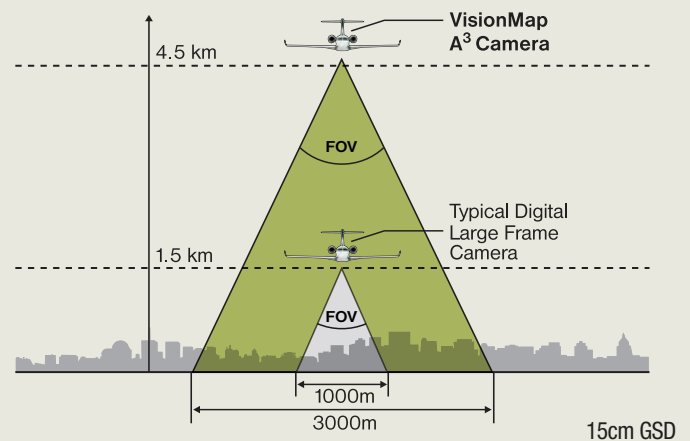
High resolution urban projects >

Most urban planning and 3D application projects require high resolution imagery in vertical and oblique angles. Flight altitude restrictions make planning and acquisition above urban areas and airport a real challenge! A3 is designed to acquire high resolution vertical and oblique imagery from higher altitudes thereby minimizing the impact of flight limitations on projects.

Mapping projects >

A3 provides stereo models for mapping applications. The A3 super large frames provide users with larger frames covering larger areas so fewer frames are required to complete the work.

Larger coverage, same resolution



Agriculture >

A3 CIR (color-IR) provides near-infrared imagery (NIR) in combination with high resolution natural color imagery. The native resolution of the NIR imagery is identical to the natural color imagery providing extremely high resolution NIR imagery for the first time without pan-sharpening. The ability to efficiently collect and process very high resolution CIR imagery over large areas is exceptionally useful for agriculture and forestry applications.

Oblique for 3D modeling >

With FOV of 109 degrees, A3 can acquire oblique imagery at angles up to 53 degrees from Nadir. Special flight planning can provide 4-way oblique of your area of interest. A3 System provides the only high resolution truly photogrammetric oblique imagery on the market. A3 oblique images are easily integrated with oblique viewers or exported for use in 3D applications.

About VisionMap

VisionMap LTD. is a leading provider of state-of-the art digital automatic aerial survey and mapping systems. VisionMap created an innovative data collection and data processing system which optimized geospatial imagery collection and processing, setting a new standard for productivity. VisionMap systems are successfully deployed worldwide.