

Surveyor 630

Unmanned Aerial System

Intelligent Scientific / Industrial Remote Sensing

**BEST IN CLASS
PAYLOAD CAPACITY**



Going beyond reliable to...reliably accurate

Being able to fly when you need to fly is only relevant if you are able to acquire the quality of data required. Our systems have exceeded expectations to capture critical data quality in turbulent conditions that ground most other drones.

Small can be nice BUT we know bigger is better.

Consider that the data quality of photogrammetry is directly linked to the quality of the camera being used. At Infinite Jib™ we selected the Nikon D5300 DSLR camera and lens combination then we designed the aerial platform of our Surveyor 630 UAS. This approach is unique when compared to the majority of drones on the market that fly a camera selected to "fit" the drone's size.

Some may say we over engineer our aircraft

It is a fact that our motors operate at a mere 35% of capacity during standard flights. Why so much power to spare? Our design is deliberate to ensure pilots have the reserve of power for maximum control in robust wind conditions. A powerful advantage when you want more control.

Power to Expand Your Projects

As companies utilize UAVs, frequently it becomes evident that they have more applications than initially planned. However, the majority of drones cannot be modified to expand their purpose, which leaves companies bound by the limitation of their drone.

With the versatile Surveyor 630 UAS, you have the potential to expand and capitalize on operating a wide range of cameras, sensors or a combination thereof. Additionally, the expert resources of Infinite Jib™ Inc. are at your disposal to develop a strategy to customize your existing Surveyor 630 UAS. Thus the ROI on your investment can continue to increase.

Efficient Deployment

Flight crews can rapidly deploy the aircraft from flight case to lift off in less than 5 minutes.



Surveyor 630 Unmanned Aerial System

BASIC TECHNICAL SPECIFICATIONS

ENDURANCE:

Up to 24 minutes with DSLR payload.

SPEED:

Waypoint flights up to 36km/h, Manual flight up to 80km/h

RANGE:

Line of sight

WIND TOLERANCE:

Up to 80km/h gusts without survey quality degradation

ENVIRONMENTAL TEMPERATURE RANGE:

-10° to 40° C (colder temperatures with training)

ALTITUDE:

Most flights 60-120m AGL (max alt 5800m)

UAV SIZE:

DIMENSIONS H - 54cm, L - 110cm, W - 122cm

WEIGHT: 7.5Kg (with batteries and camera, ready to work)

CASE SIZE:

DIMENSIONS H - 60cm, L - 95cm, W - 50cm



The standard Surveyor 630 UAS includes a Nikon D5300 DSLR outfitted with a 28mm prime lens and GPS.

The Surveyor 630 UAS can also be operated with the following payloads: all makes of DSLR cameras, medium format cameras, multispectral cameras, Hyperspectral sensors, thermal cameras, magnet-ometers, gas detection and measuring sensors.

Standard Equipment List

This equipment is provided as standard equipment for the Surveyor Unmanned Aerial System.

- Infinite Jib™ Surveyor UAV
- Nikon D5300 DSLR, Wide Angle Nikon Lens, Nikon GPS Unit
- Flight Batteries Qty 4, 11,000 mAh
- Remote Control Transmitter with charger
- Apple iPad with charger
- Infinite Jib™ Waypoint Ground Station
- LCD Field Monitor with charger with a tripod
- Dual Battery Charger
- Memory Card 32Gb
- Lipo Battery Checker
- Maintenance Kit

Two tiered training program:

UAV Pilot Ground School Training: three-day program conducted by the Wellington Flight School at the Wellington, Ontario location.

Aircraft Operations Training: two-day program conducted by Infinite Jib™ at the Schomberg, Ontario location.



Implementation support

No Excuses

No Compromise

Round the clock.... "We never close" commitment to producing and supporting the best UAVs in our class.

We understand the importance of a smooth implementation of UAV technology into your company and we want our clients to be successful. To achieve that, we make sure to provide you with our full support from day one. Starting with first contact, we work with you to understand your requirements, provide you with expert advice and recommend the UAV most appropriate for you.

If your requirements demand the accuracy and performance of one of our heavy lift, remote controlled aircraft systems, we will work with you to incorporate any custom features that may be required and determine your delivery and training timeline. As the manufacturer, offering this build to order process provides our client with the advantages to target specific requirements for their UAV investment.

Transport Canada Compliant UAS Design



Transport
Canada

For information about Infinite Jib™ UAS solutions, contact your Infinite Jib™ representative

Call 1-905-859-8857 or email: sales@infinitejib.com

