

IFT

IF800

ENGINEERED FOR THE FIELD

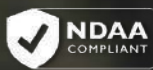


Talk to an expert

What does your mission require?

Share your requirements and see how the IF800 can fit your operation.

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inspiredflight.com

01 Built for the Mission

Backed by more than 1,000+ Inspired Flight aircraft deployed across survey, mapping, inspection, agriculture, and research, the IF800 combines familiar aircraft architecture with intuitive operation to reduce the learning curve and keep crews productive from day one.



02 Capability

Up to 54-minute flight time; 35+ minutes with a 1.5 kg payload

6.6 lb / 3.0 kg maximum payload

Up to 6 km range, 2.3 km in congested environments

Tool-free payload swapping

Automatic parameter updates when swapping supported payloads

Dual swappable batteries with a 90-minute charge time

IP-43 rated aircraft

Complete aircraft system packs into a single case

**Flight time and range vary by payload, configuration, and operating conditions.*

03 Choose Your Configuration

The IF800 is available with two ground control station options. The GS-ONE offers greater processing power, a larger sun-light readable display, and is a Blue UAS and NDAA-compliant system configuration. Herelink provides a lightweight alternative for missions that do not require the same compliance profile.



GS-ONE

- 7-inch touchscreen
- 2000-nit display
- Up to five hours of runtime
- Hot-swappable battery
- IP-55 weather resistant
- HDMI output
- LTE SIM slot for internet connectivity



Herelink

- 5.46-inch touchscreen
- 1000-nit display
- Up to four hours of runtime

04 One Aircraft. Multiple Missions.

Inspired Flight offers the widest selection of sensor integrations among American drone manufacturers, supporting applications across land surveying, asset inspection, utility operations, crop analysis, environmental monitoring, and geophysical data collection. Adapt the IF800 to changing mission requirements with a growing ecosystem of professional payload integrations.

CAMERAS RGB

Examples

- Sentera 65R
- Sony ILX-LR1
- Gremsy VIO



IMAGING THERMAL

Examples

- Gremsy VIO
- Sentera 6X Thermal Pro
- MicaSense Altum-PT



INTEGRATED LiDAR

Examples

- GeoCue
- RIEGL
- Inertial Labs
- YellowScan
- Phoenix LiDAR Systems
- LiDAR USA & More



SOLUTIONS GEOPHYSICAL

SPH ENGINEERING

- Subsurface GPR
- Hydrographic Sonar
- Gas Detection
- Magnetic Sensors



SENSORS MULTISPECTRAL

Examples

- Sentera 6X
- Sentera 6X Thermal Pro
- MicaSense Red-Edge
- MicaSense Altum-PT



05 Secure. American-Built. Directly Supported.



Compliant by design

The IF800 airframe meets Blue UAS and NDAA standards. When paired with GS-ONE, the system provides AES-128 encrypted links and FIPS 140-3 validated cryptography.



Built and tested in the USA

Every IF800 is engineered, assembled, and supported in the United States. Each aircraft passes more than 100 quality-control checkpoints and a full test flight before leaving our facility.



Direct support. From the source.

Get direct support from the team that designs and builds the IF800. From deployment through daily operations, our team is here to help keep your fleet moving.