

IFT

IF1200

THE INDUSTRY WORKHORSE



Talk to an expert

Have a complex mission in mind?

Share your requirements and see how the IF1200 can support your application.

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green uas



inspiredflight.com

01 Built for Demanding Missions.

More than 1,000+ Inspired Flight aircraft are deployed across survey, mapping, inspection, agriculture, and research. The IF1200 combines heavy-lift capacity, low-vibration stability, multi-payload support, and a field-serviceable design for sensitive instruments and demanding fieldwork.



02 Capability



Up to 43 minute flight time;
35+ minutes with a 5 kg / 11 lb payload*



19 lb / 8.6 kg payload capacity



Up to 6 km range, 2.3 km in congested environments*



Multi-payload support



Standard Dovetail Payload System for fast,
tool-free payload swapping



Low-vibration stability for sensitive instruments



Motor-failure redundancy for added mission resilience**



Field-serviceable design

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

**Motor-failure redundancy requires centered CG and takeoff weight ≤47 lb.

03 Choose Your Configuration

The IF1200 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 complex missions across mining, utilities, transportation, infrastructure, energy, civil engineering, construction, and delivery. Pair compatible payloads in a single flight for complete, multi-source data collection.

INTEGRATED LiDAR

Examples

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



SENSORS MULTI/HYPERSPECTRAL

Examples

- Sentra 6X Thermal Pro
- MicaSense Red-Edge
- MicaSense Altum-PT
- Resonon Pika Series
- ITRES microTABI640
- GRYDN Gobi, Calvis & More



CAMERAS RGB

Examples

- Sentra 65R
- Sony ILX-LR1
- Gremsy VIO
- Phase One iXM Series



SOLUTIONS GEOPHYSICAL

SPH ENGINEERING

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



TOOLS UTILITY

LINEBIRD

- Electrical Testing
- Debris Removal
- Wire Cutting
- Material Handling
- Line Pulling
- Payload Delivery & Release



05 Secure. American-Built. Directly Supported.



Compliant by design

The IF1200 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 IF1200 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.



Field-serviceable. Directly supported.

Designed to simplify field repairs and component replacement, with direct support from the team that designed and built the aircraft.