



IF1200A

MADE IN USA



Unrivaled Endurance

Limitless Possibilities



43 Minute Max Flight Time



56 MPH Max Speed



Blue UAS & NDAA Compliant



19.1 LBS Max Payload



Universal Payload Interface



23 Knot / 29 Knot Gusts



INTENTION

Precision-engineered for reliable and resilient workflows in the most challenging applications, the IF1200A empowers users to achieve their objectives securely with maximum reliability and cost efficiency.



INTEROPERABILITY

In collaboration with reliable industry allies, the IF1200A presents fully integrated payload solutions for **optical, thermal, and LiDAR systems**. Our universal payload interface allows the incorporation of any essential equipment required to successfully complete your mission.



WHY IFT?

We produce state-of-the-art, dependable systems crafted for customization and performance. Our dedication to safety, efficiency, community support, and American manufacturing establishes us as a reliable leader in the drone industry.



Request a Quote

INSPIRED FLIGHT

InspiredFlight.com

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Performance

Max Ascent Speed	5m/s	16 ft/s
Max Descent Speed	2.5m/s	8.2 ft/s
Max Air Speed	25m/s	56 mph
Max Wind Resistance	12m/s, 15m/s gusts	23 knot, 29 knot gusts
Max Tilt Angle	30°	
Max Angular Velocity	Tilt: 300°/s, Yaw: 45°/s	
Operating Temperature	-20°C ~ 45°C	-4°F ~ 113°F
Service Ceiling (with given payload)	3.9km (12,800 ft) w/4 kg 2.2 km (7,200 ft) w/ 8.7 kg	

Physical Features

Diagonal Size (propeller center to center)	1,025 mm	40.4 inches
Unfolded Size (flight ready, WxLxH)	165.5 x 154 x 76.5 cm	65.1 x 60.6 x 30.2 inches
Folded Size (stow, WxLxH)	47.5 x 49.5 x 47 cm	18.7 x 19.5 x 18.5 inches
Empty Weight (w/o batteries)	7.8 kg	17.2 lbs
Weight w/ Batteries	16.3 kg	35.9 lbs
Max Gross Takeoff Weight	25.0 kg	55.0 lbs
Max Payload Capacity	8.7 kg	19.1 lbs
Transport Case Size (WxLxH)	64.8 x 64.8 x 58.4 cm	25.5 x 25.5 x 23.0 inches
Transport Case Weight (w/ aircraft & GCS)	29.0 kg	64 lbs

Flight Stack

Flight Controller	CubePilot Cube Blue H7, Triple Redundant IMU
GNSS / Compass	Dual CubePilot Here3 M8P
Payload Power Rails	12s Battery Voltage, 5v, 12v/a5v 18v, 44.4v
Payload Interface	IF1200A Universal Payload Interface
Operating Software	Copter by Ardupilot

Flight Mode

Position Hold	Automatically holds altitude and position, manually change position
Loiter	Holds altitude and position, precision manual movements using GPS
Auto	Executes pre-defined waypoint mission
RTL	Auto returns to takeoff location and lands
Land	Auto land while maintaining horizontal position
Altitude Hold	Holds altitude only, failsafe mode if GPS signal lost

IF1200A Max Flight Time @ Given Payload Weight

