IF800
MADE IN THE USA

FEATURED PAYLOADS

Workswell WIRIS Enterprise | Pixy WE

Sony A7R | Gremsy T3

GROUND CONTROLLER STATIONS

HereLink Blue | Live Video GCS

Vision 2 | NDAA Compliant GCS

Specifications

Performance

Max Ascent Speed	5 m/s	16 ft/s
Max Descent Speed	3 m/s	10 ft/s
Max Air Speed	22 m/s	49 mph
Max Wind Resistance	10 m/s, 12 m/s gusts	19 knot, 23 knot gusts
Max Tilt Angle	30°	
Max Angular Velocity	Tilt: 300°/s, Yaw: 120°/s	
Operating Temperature	-10°C ~ 40°C	14°F ~ 104°F
Operating Humidity	10%~95%	
Service Ceiling (with given payload)	4.3 km (14,100 ft) w/ 1.3 kg,	2.8 km (9,200 ft) w/ 3.0 kg

Physical Features

Diagonal Size (propeller center to center)	935 mm	36.8 inches
Unfolded Size (flight ready, WxLxH)	135 x 116 x 45 cm	53.1 x 45.6 x 17.7 inches
Folded Size (stow, WxLxH)	38 x 48 x 19 cm	18.9 x 15.0 x 7.5 inches
Empty Weight (w/o batteries)	3.5 kg	7.7 lbs
Weight w/ Batteries	7.7 kg	16.9 lbs
Max Gross Takeoff Weight	10.7 kg	23.5 lbs
Max Payload Capacity	3.0 kg	6.6 lbs
Transport Case Size (WxLxH)	52.8 x 80.7 x 31.7 cm	20.8 x 31.8 x 12.5 inches
Transport Case Weight (w/ aircraft & GCS)	18 kg	40 lbs

Flight Stack

Flight Controller	CubePilot Cube Blue H7
GNSS / Compass	CubePilot Here4 Blue (2x)
Payload Power Rails	5v, 12v, 18v
Payload Interface	IFT Universal Payload Interface V3
Operating Software	Copter by Ardupilot

Flight Modes

Position Hold	Automatically holds altitude and position, manually change position
Loiter	Holds altitude and position, precision manual movements using GPS
Auto	Executes pre-defined 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

IF800A Preliminary Flight Times @ Given Payload Weight