

The epitome of brilliance

I FO

Product Data Sheet



I FO is the latest addition to the UVify family of award-winning drones.

RTK GNSS and redundant communication

An integrated RTK GNSS and redundant communication ensures accurate positioning and the ability to overcome interference.

Redundant control link:

Two completely independent data links are responsible for the transmission of all commands and telemetry data. This prevents a loss of flight control even though there is a failure of one of multiple links.



Flight data save:

All relevant parameters, external factors such as GPS satellite constellations can be saved to a SD card equipped in I FO.

Safety modes:

Safety modes such as "Return to launch" and "Failsafe" is available through supported software.

Status display:

All telemetry data such as GPS position, flight altitude, air speed and other information can be displayed on supported software.

This data sheet contains all relevant information about the flight system.
All specifications are Subject to change without prior notice.

Technical data

Technical specifications

Type	X-Form Quadcopter
Dimensions	27.5 x 27.5 x 12 cm (no props)
Max. flight time	25 minutes
Rotor diameter	7" (~18cm)
Number of rotors	4
Weight	635 g / 1050 g (with battery)
Max. take off weight	1.2 kg
Max. range	500 m
Max. speed	60 km/h
Max. tolerable wind speed	10 knots

Navigation sensors

Inertial Navigation Unit (3-axes gyroscope, 3-axes accelerometer, barometer & 3-axes magnetometer)
High-performance GNSS with RTK functionality (GPS, GLONASS, BeiDou, Galileo, SBAS)

Wireless communication

Remote control	2.4 GHz link
Wi-Fi	2.4/5.8 GHz
Telemetry	Sub 1 GHz

Hover accuracy range

RTK enabled	Vertical: ± 0.1 m Horizontal: ± 0.1 m
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RTK GNSS Frequency

GPS	L1
GLONASS	L1
BeiDou	B1

RGB LED

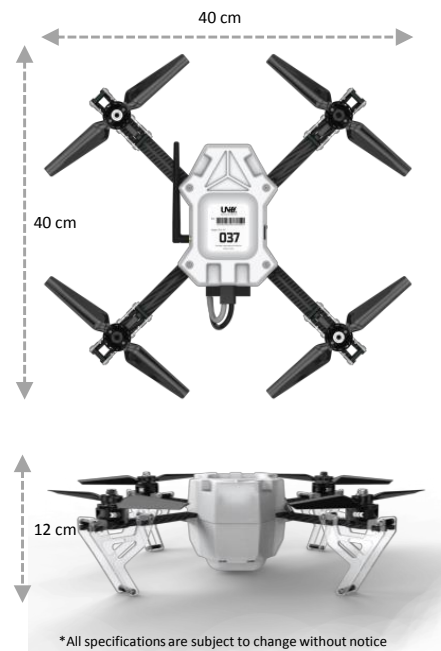
LED	27W, 840 Lm
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Battery

Type	Lithium Polymer 4S
Capacity	4200 mAh
Net weight	415 g
Voltage	14.8 V
Energy	62.16 Wh

Dimensions

Propellers off	27.5 x 27.5 x 12 cm
Propellers on	40 x 40 x 12 cm
Propeller cages on	44.5 x 44.5 x 14.5 cm



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