

“The Quantum Tron is without any doubt an outstanding technical solution. This concept has a lot of unmatched benefits.”

Jochen Kittlaus, Head of Geodate, RWE

quantum
systems



TRON F90+

PACKAGE PRICE

- **Tron F90+ UAV**
- **PPK**
Allows you to reduce typical GNSS geotagging errors of several meters down to 2-5 cm via auxiliary GNSS data collection in flight. Better accuracy with dramatically reduced additional costs!
- **Live-Air-Traffic**
Now it is possible to automatically integrate the Live-Air-Traffic-Info into QBase when pingUSB is connected. pingUSB is the world's smallest, lightest and most affordable USB dual-band ADS-B receiver. pingUSB provides high-quality tracking data for use with software such as Virtual Radar Server and services including ADS-B Exchange.
- **iBase**
iBase is a reference GNSS station, it allows for the relative (and at externally georeferenced points absolute) geotagging precision of aforementioned PPK quality via logging the GNSS reference measurements on the ground to later use them in QBase flight data post-processing.
- **QBase - Ground Control Station**
Mission planning software, runs on any Windows PC/Laptop
 - 3D Planning, Corridor Planning, Live-Air-Traffic, Resume Mission
- **Remote Controller (RC)**
- **Battery Packs + Battery Charger**
- **Rugged Transport Case**
- **Warranty (1 year)**
- **Technical Support**

TECHNICAL DATA

Max. Take-off Weight	13.5 kg (29.76 lbs)
Max. Flight Time	90 min*
Max. Range = Area	100 km = 1500 ha**
Command and Control Range (Long-Range)	5-7.5 km*** (3.1-4.7 mi)
Payload	2 kg (4.4 lbs)
Optimal Cruise Speed	18 m/s (35 kn)
Wind Resistance (ground wind)	8.5 m/s (16.5 kn)
Wind Resistance (in cruise flight)	up to 12 m/s (23.3 kn)
Temperature Resistance	0°C to 35°C (32°F to 95°F)
Wingspan	3.5 m (11.48 ft)
Transport Case Dimension	1775x325x428 mm (70x13x17 inch)

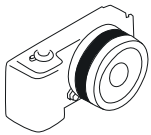
*export permission required.

** Lidar Surveyor Ultra

***under optimal conditions.

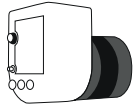
starting at **44.900€** /excl. VAT

COMPARTMENTS



Sony RX1
Sony RX1RII
42 MP, 35 mm focal length

5.900 €



**LiDAR
(Yellowscan Surveyor)**

Shots/second: 300.000
Typ. Altitude: 0 - 70 m
Max. Range: 100 m

92.000 €

**LiDAR Ultra
(Yellowscan Surveyor Ultra)**

Shots/second: 600.000
Typ. Altitude: 0 - 150 m
Max. Range: 200 m

129.000 €

ACCESSORIES



Additional Training

Training for two persons. Improve your mission planning and/or learn how to operate your Quantum product properly.

1.000 €

(per day)



Spare Parts & Service

Please get in touch with us directly. Our support team will create an individual repair or service solution for you depending on your request.

Please contact support@quantum-systems.com.



Post-Processing Basic

Improve your photogrammetric analysis and learn how to make the necessary adjustments for the expected accuracy.

1.000 €

(per day)

OPTION

ADSB out Transponder

2.490 €

SPARE PARTS

Nacelle** (left & right)

2 Motors, 2 ESCs, 2 Transition Servos

each
5.500 €

Battery Packs** (including left & right battery pack)

Each 9S Li-Ion Battery, 20.000mAh

1.950 €

QS Battery Charging Station + Power Supply**

Easily Charge/Discharge your QS Battery packs.

950 €

Wing** (left or right) Including Servo

each
1.750 €

Rear Fuselage

Integrated wiring and reinforcement spars

1.790 €

V-Tail** Including 2 Servos

890 €

Front Fuselage

Including Airspeed Sensor and Air-Speed Data Board

1.490 €

Strobe Lights**

RED, GREEN and WHITE, incl. charger, Excluding micro-USB cable

50 €

** Can be replaced by the customer.

Modifications and 3rd party products will void warranty.

NOTES: Before replacing any item, customer is required to check if item can be repaired or needs replacement.

Software update, weight and balance check, calibration as well as a test flight are required: 450 €

