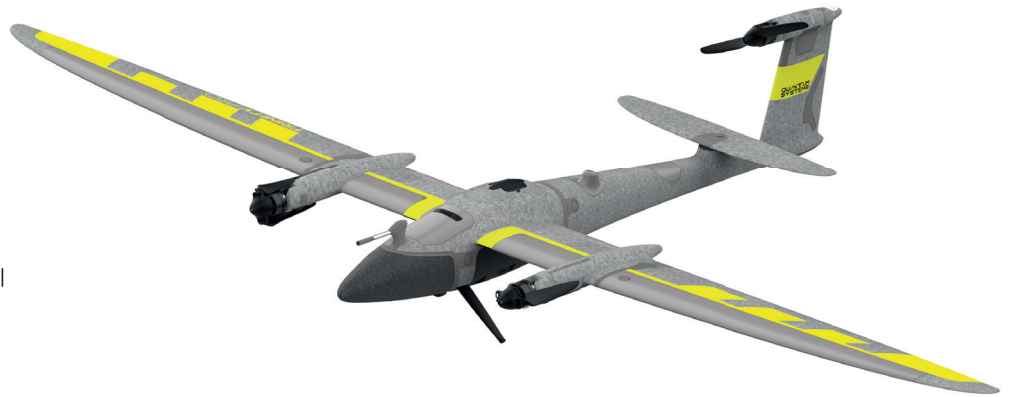


## TRINITY™ PRO

Designed to evolve

Trinity Pro is the mapping drone for professionals. It features an extended flight time of 90 minutes and easy to use mission planning software QBase 3D.

The choice of integrated cameras is unrivaled - RGB, Oblique, Multispectral and even LiDAR - making it the right tool for any mapping application.



### Package Content

A **ready-to-fly** Trinity Tactical always includes a GNSS module for GNSS raw data collection in flight, plus the following items:

- 1 iBase Reference GNSS Base Station**  
Portable base station to enable high-precision PPK processing
- 2 USB ADS-B Receiver Set**  
Integrates Live-Air-Traffic-Info into QBase
- 3 Air Data Probe**
- 4 QBase 3D Software - Ground Control Station**  
Mission Planning Software, including QBase Modem Longrange 2.4 GHz and cable
- 5 Manual Controller**  
Wire-bound controller for manual intervention in critical flight phases or emergency situations
- 6 3 Battery Packs and 1 Charger Unit**
- 7 Anemometer**
- 8 Lightweight Transport Case**

### Technical Data

<b>Max. Take-off Weight</b>	5.75 kg (12.7 lbs)
<b>Max. Flight Time</b>	90+ min
<b>Max. Range = Area</b>	100 km $\triangleq$ 700 ha <sup>1</sup>
<b>Maximum Flight Altitude (MSL)</b>	5500 m <sup>2</sup> (18045 ft)
<b>Command and Control Range</b>	5-7.5 km (3.1-4.7 mi)
<b>Optimal Cruise Speed</b>	17 m/s (33 kn)
<b>Wind Tolerance Hover Phase (take-off/landing)</b>	up to 11 m/s <sup>3</sup> (21.4 kn)
<b>Wind Tolerance Continuous (cruise)</b>	14 m/s (27.2 kn) <sup>4</sup>
<b>Wind Tolerance Gusting (cruise)</b>	18 m/s (35 kn) <sup>4</sup>
<b>Operating Temperature Range</b>	-12 °C to 50 °C (10.4 °F to 122 °F)
<b>Wingspan</b>	2.394 m (7.85 ft)
<b>Transport Case</b>	1002 x 830 x 270 mm (39.4 x 32.7 x 10.6 inch)

<sup>1</sup> Subject to export regulation, may require export permission.

<sup>2</sup> Please be aware that the flight time and max. wind tolerance are reduced with increasing flight altitude. Varies based on weather conditions; tested at 15 °C (59 °F). For further details read the user manual chapter 3.1.

<sup>3</sup> Please be aware that the max. wind tolerance is reduced with increasing flight altitude.

<sup>4</sup> Subject to export regulation. Limited to 12.8 m/s or 25 kn by default.

## Cameras



### Sony RX1R II

Art.: 4260574665517

CMOS full-frame sensor and fixed focal length lens. 42.4 MP resolution.



### Oblique D2M

Art.: 4260574665531

Features five separate lenses and sensors (1 nadir, 4 oblique) at 26 MP each, to capture high resolution RGB imagery.



### Qube 240 LiDAR

Art.: 4260574665524

Active LiDAR system with 240,000 points per second. Includes one year of Yellowscan CloudStation software.



### MicaSense RedEdge-P

Art.: 4260574665562

Multispectral camera featuring five spectral bands (red, green, blue, red-edge and near infrared) and a panchromatic sensor. Calibration panel DLS2 not included.



### MicaSense Altum-PT

Art.: 4260574665555

Multispectral camera featuring five high resolution spectral bands (red, green, blue, red-edge and near infrared), a panchromatic sensor and a thermal infrared sensor. Calibration panel DLS2 not included.

## System S supplements



### DLSII Kit (Plug & Play)

for enhanced light calibration

Art.: 4260574665739

Mandatory for MicaSense camera to achieve optimal results.

### Calibrated Reflectance Panel (CRP)

Art.: 4260574660758

Mandatory for MicaSense cameras to achieve optimal results.

### Trinity Pro DLSII Mount Kit

Art.: 4260574665746

## Software

### CloudStation Core

Art.: 4260574663322

Special version for Qube 240 annual license (2nd and following years)

### CloudStation Core

Art.: 4260574665395

Special version upgrade to perpetual license including 1 year software maintenance.

### CloudStation Strip Adjustment Module

Annual license Art.: 4260574663056

### CloudStation Strip Adjustment Module

Upgrade to perpetual license Art.: 4260574665401

### CloudStation Terrain Module

Annual license Art.: 4260574663353

### CloudStation Terrain Module

Upgrade to perpetual license Art.: 4260574665418

### Applanix POSPac UAV

Annual subscription Art.: 4260574663063

### Applanix POSPac UAV

Perpetual license, with one year maintenance Art.: 4260574663070

### Applanix POSPac UAV

1-year subscription for software maintenance Art.: 4260574663797

### CloudStation Colorization from Orthophoto Module

Annual subscription Art.: 4260574664992

### CloudStation Colorization from Orthophoto Module

Perpetual license Art.: 4260574665487

### CloudStation Colorization

Upgrade to perpetual license Art.: 4260574665494

### CloudStation

1-year software maintenance for perpetual bundle (Core, Strip, Terrain, Colorization) Art.: 4260574664992

### Post-processed Trimble CenterPoint RTX

Subscription (6 months) Art.: 4260574664909

### Post-processed Trimble CenterPoint RTX

Subscription (12 months) Art.: 4260574664916



Scan QR code and learn more

™ SCORPION, VECTOR, TRINITY and TRON are registered trademarks of Quantum-Systems GmbH.  
Copyright © 2023 Quantum-Systems GmbH. All rights reserved.  
Zeppelinstr. 18 | 82205 Gilching | Germany  
[quantum-systems.com](http://quantum-systems.com)



NOUS CONTACTER :

L'Avion Jaune

525, Avenue Saint-Sauveur,

34980 Saint-Clément-de-Rivière

Site internet : [Lavionjaune.com](http://Lavionjaune.com)

Mail : [info@lavionjaune.fr](mailto:info@lavionjaune.fr)

Tel : [04 67 06 93 83](tel:0467069383)