Connectiv

MODULAR GEOSPATIAL SENSOR

miniVUX-1/3 Configurations

Technical specifications

Scanner	miniVUX-1/3 UAV	miniVUX-1/3 UAV
GNSS-Inertial solution	APX-15 UAV	APX-20 UAV
Accuracy[1]	3 cm	2 cm
Precision[2]	1 cm	1 cm
Measurements / Second	mV1 = 100,000 mV3 = 200,000	mV1 = 100,000 mV3 = 200,000
Pulse Repetition Rate (PRR)	mV1 = 100,000 mV3 = up to 300,000	mV1 = 100,000 mV3 = up to 300,000
Echos (returns)	up to 5	up to 5
Wavelength	905	905
Scanner Field of View (FOV)	0° x 360°	0° x 360°

General specifications

Autonomy	60 min. typ.	60 min. typ.
Power consumption	25 - 30 W	10 - 25 W
Operating temperature	-15° to +40°C	-15° to +40°C
Dimensions	375 x 124 x 126 mm	375 x 124 x 126 mm
Weight including battery (approx.)	2643 g	2743 g
Weight excluding battery[3] (approx.)	2413 g	2513 g

[1] Vertical RMSE. Represents the degree of conformity to ground control points.
[2] Vertical precision. Represents the repeatability of measurement in a same flight line.
[3] The system may be configured to be powered directly by the drone.

Optional

• **e-Connect** application allows to see the recording status of the modules in real-time.

• Additional laser modules available
- Riegl
  - Vux-120
- Hesai
  - XT32
  - XT32/M2X

• Additionnal camera modules available
- RGB 24, 61 and 128 MP cameras
- Thermal camera
- Dual-multispectral camera

• Different INS modules available
- APX-15 UAV
- APX-20 UAV *
- APX-30/RTX UAV *
- APX-50/RTX UAV *

The RTX real-time correction is also available with APX-15 and APX-20.

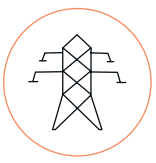
* Only available with Riegl LiDAR modules.

Appl icat ions

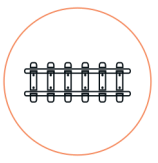
Topography

Buildings

Structures



Energy



Railroads