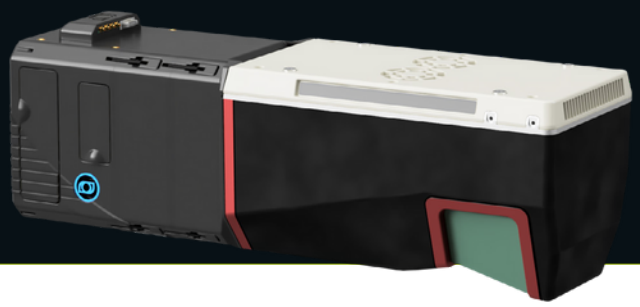
Connectiv

MODULAR GEOSPATIAL SENSOR

VUX-120 Configuration



Technical specifications

Scanner	Riegl VUX-120
GNSS-Inertial solution	APX-20 UAV
Accuracy[1]	10 mm
Precision[2]	5 mm
Measurements / Second	up to 2 000 000
Pulse Repetition Rate (PRR)	up to 2 400 000
Echos (returns)	up to 32
Wavelength	near infrared
Scanner Field of View (FOV)	0° x 100°
	Nadir/Forward/Backward

General specifications

Autonomy	Connected to the drone power source
Operating temperature	–10° to +40°C
Dimensions	263 x 117 x 126 mm
Weight without camera[3]	2 525 g
Weight with 61 mpx camera	3 130 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] Depending of the camera option, weight can vary around 500 g to 1 kg.

Optional

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

• Additional LiDAR modules available

- Riegl
  - miniVUX-1/3
- Hesai
  - XT32
  - XT32/M2X

• Camera modules available

- RGB 24, 61 and 128 MP cameras
- Thermal camera
- Dual-multispectral camera

• 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.

Applications

Topography

Buildings

Structures

Energy

Railroads