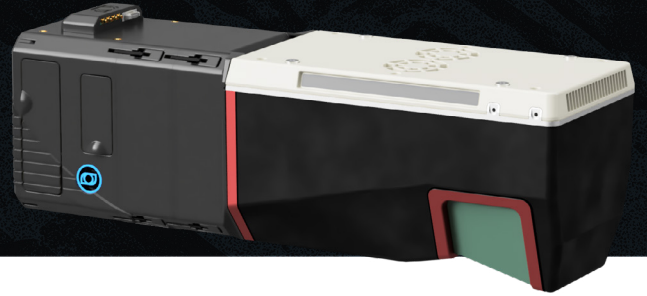


VUX-120 Configuration



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 Scanner	near infrared
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

- **NEW e-Connect** application allows to see the recording status of the modules in real-time. Radio and Satellite connection available (on demand)
- Additional laser modules available
 - Hesai
 - XT32
 - XT32/M2X
 - Riegl
 - miniVUX-1UAV
 - miniVUX-3UAV
- Additional camera modules available
 - 24 mpx and 61 mpx cameras
 - Dual multispectral camera
 - Vertical facing camera
- Different INS modules available
 - APX-15 UAV
 - APX-20 UAV

Applications



Topography



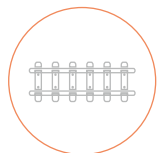
Buildings



Structures



Energy



Railroads