

Hesai Configurations



Technical specifications

Scanner	XT32	XT32/M2X
GNSS-Inertial solution	APX-15 UAV	APX-15 UAV
Accuracy ¹	5 cm	3 cm
Precision ²	3 cm	3 cm
Measurements / Second	1,280,000 pts / sec	1,920,000 pts / sec
Echos (returns)	up to 2	up to 3
Wavelength	905 nm	905 nm
Scanner Field of View (FOV)	31°x 360°	40.3°x 360°

General specifications

Autonomy	60 min. typ.	60 min. typ.
Power consumption	10 - 25 W	10 - 25 W
Operating temperature	-15° to +40°C	-15° to +40°C
Dimensions	233 x 102 x 126 mm	230 x 102 x 126 mm
Weight including battery (approx.)	1923 g	1613 g
Weight excluding battery ³ (approx.)	1693 g	1383 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
 - miniVUX-1
 - minVUX-3
 - Vux-120

• Additional 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.

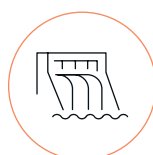
Applications



Topography



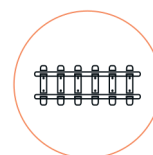
Buildings



Structures



Energy



Railroads