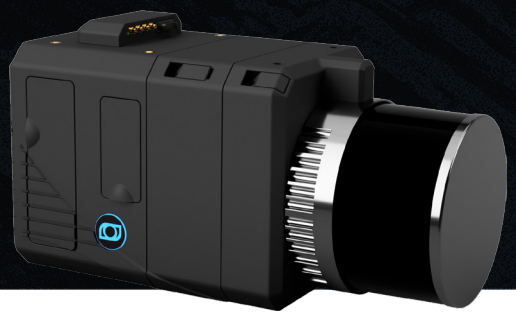
Connectiv

MODULAR LIDAR SYSTEM

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

- NEW **e-Connect** application allows to see the recording status of the modules in real- time.
- Additional laser modules available
  - Velodyne
    - Ultra Puck
    - Puck LITE
  - Riegl
    - miniVUX-1 UAV
    - miniVUX-3 UAV
- Additionnal camera modules available
  - Single and dual RGB cameras
  - Thermal cameras
  - Multispectral cameras
- Different INS modules available
  - Applanix APX-20 UAV *

Integrate different types of cameras including 24 MP and **still have a weight under 2,7 kg** to be mounted on a battery operated drone!

* Only available with Riegl laser modules.

Applications

Topography

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Structures

Energy

Railroads