

scanfly XT

WHEN THE LITTLE DETAILS AND RESOLUTION MATTER!

Measure with confidence!

With **32 profiles** evenly spread over **30°**, **10 mm range accuracy** and a stable reflectivity reading over distance, **Scanfly XT** delivers extremely resolute and definite point clouds, making it the ideal choice for **mapping at longer ranges and higher speed**.

When the little details matter, the XT is the choice.

REV11. 05/2022

FEATURES



Hesai PandarXT-32 Lidar



Accurate INS (IMU/GNSS)



Single multiconstellation RTK receiver



Integrated board to control, acquire and synchronize sensors



Software: SmartProcessing Lidar for data fusion



Carry case



Customized mounting interface
Easy installation on any vehicle



24-42 MP RGB mirrorless camera
Multisensor integration interface
60.5 MP 360° panoramic camera



Boresight calibration tool
GCP and Strip Alignment tool



CE Marking
Ingress Protection IP55



The payload lidar not only for UAS



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On board



Backpack



Flying

MULTI-PLATFORM SOLUTIONS

scanfly

XT



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GENERAL

POWER SUPPLY VOLTAGE	12-24 VDC
POWER CONSUMPTION	< 30 W
OPERATING TEMPERATURE	- 10° + 40° C
QUICK RELEASE MOUNTING PLATE	Included
OPTIONAL MOUNTING KIT	Drone / Car / Backpack

LIDAR

LASER CLASS	1 (wavelength 905 nm)
CHANNELS	32
RECOMMENDED AGL	15-85 m
ROTATION RATE	5-20 Hz
NUMBER OF RETURNS	2
RANGE ACCURACY	10 mm
SCANNER ORIENTATION	User-adjustable (0°-30°-60°-90°) ③

INTEGRATED SENSORS

GNSS	
CHANNELS	336
CONSTELLATIONS	GPS/Glonass/Beidou/Galileo/QZSS/SBAS
L-MODE	Trimble CenterPoint RTX ④
OPERATION MODE	PPK - RTK option

IMU

DATA RATE	200 Hz (1 kHz internal rate)
ACCURACY	Roll/Pitch 0.025°/ Heading 0.08° ②

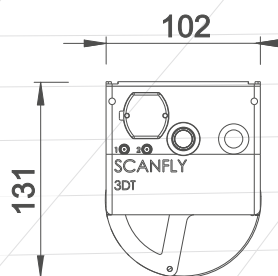
RGB CAMERAS (OPTIONAL)

MIRRORLESS CAMERAS	24-42 MP RGB camera ④
NUMBER OF CAMERAS	up to 2
360° PANORAMIC CAMERA	60.5 MP 360° RGB camera ⑤

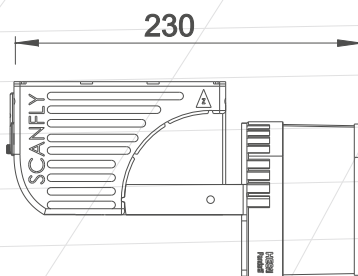
- ① With Hesai PandarXT-16 Lidar and without GNSS antennas, cables and quick mount adapter.
 ② PPK performance with a minimum of 6 GPS satellites, HDOP<3, ground station not further than 10 km.
 ③ Boresight calibration tool included.
 ④ ADTi SURVEYOR LITE 24S (24 MP) with 12 mm (89° FOV) or 16 mm (73° FOV) or ADTi SURVEYOR 42 PRO (42 MP) with 21 mm (81° FOV) lens.
 ⑤ NCTech iSTAR Pulsar+.
 ⑥ Requires subscription.

SCANFLY I Front View

SCANFLY I Side View



Values in millimeters



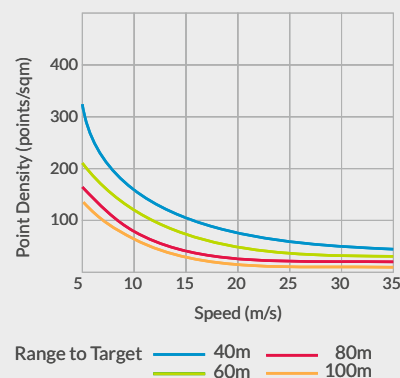
Values in millimeters

Dimensions, weight, technical features are subject to change at any time.
 Specifications are subject to change without notice.

OVERVIEW

Weight: \approx 1.68 kg ①
 Dimensions:
 230 x 131 x 102 mm
 Certification: IP55 / CE
 Scan Rate: up to 1 280 000 pts/s
 Range: up to 130 m
 Accuracy: 5 cm ②
 Precision: 3 cm
 Storage:
 Internal 500 GB /
 1 TB (upgradable)
 Interface Connection:
 Wi-Fi
 Ethernet
 Software:
 Scanfly Web-app
 SmartProcessing Lidar
 Smart Survey Scanfly (optional)

Point cloud Density



3DT
 Technology meets efficiency

scanfly



On board



Backpack



Flying