

www.scanfly.it

scanfly

PRO

Introducing the **Scanfly PRO**, the 3DT's compact **high-performance** mapper. Engineered for **excellence**, this **multi-platform** LiDAR solution performs with no compromises even in the most **challenging GNSS conditions**, from tunnels to dense urban canyons. When unprecedented **accuracy** meets the unmatched versatility.

Redefine mapping: anytime, anywhere with ScanflyPRO!

REV 02 - 12.12.2023



Lidar: Hesai XT32M2X



INS: Applanix AP+ 20
Dual GNSS Receiver enabled



Multi-platform
Tool-less mounting accessories
Cable free design



Carry case



Multi-sensor interface
24-61 MP Sony cameras
60.5 MP 360° panoramic camera



SmartProcessing Lidar software
SLAM enabled
GCP and Strip Alignment tool
Image blurring tool



CE Marking
Ingress Protection IP55



The world, digitally twinned

THE MULTI-PLATFORM MAPPER



On board



Backpack



Flying

scanfly

PRO



LIDAR

LASER CLASS	Class 1 eye safe (wavelength 905 nm)
CHANNELS	32
ROTATION RATE	5-20 Hz
NUMBER OF RETURNS	3
RANGE ACCURACY	10 mm

INS

GNSS	
CHANNELS	2 x 336
CONSTELLATIONS	GPS/Glonass/Beidou/Galileo/QZSS/SBAS
OPERATION MODE	PPK – RTK (optional)

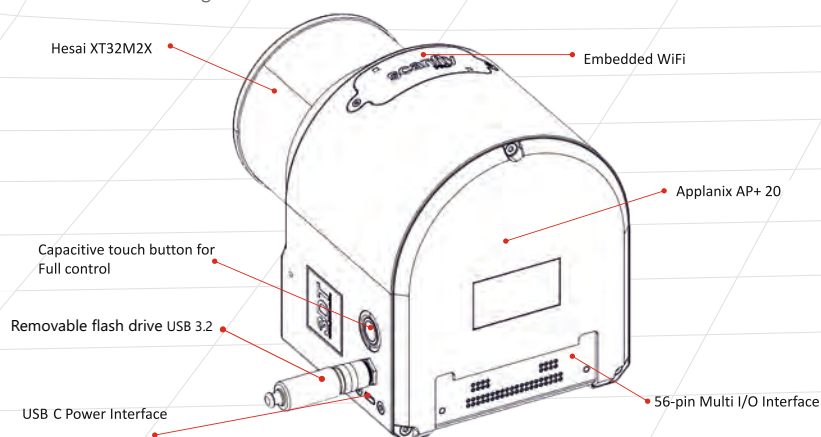
IMU

DATA RATE	200 Hz (1 kHz internal rate)
ACCURACY	Roll/Pitch 0.015° / Heading 0.03° ①

GENERAL

INTEGRATION INTERFACE I/O	56 - pin receptacle Ethernet, USB, Sensor power, Camera trigger/strobe, GNSS
Wi-Fi	Embedded
STORAGE	External USB 3.2 Flash Drive, up to 256 GB
BUTTON	Capacitive touch button
MOUNTING KITS ②	3DT-SF-v3-SKY - DJI Skyport adapter 3DT-SF-v3-LMK - Land vehicles and backpack mount 3DT-SF-v3-INT - General purpose integration kit
RGB CAMERAS SUPPORTED ②	24-62 MP Sony cameras 60.5 MP NCTech iStar Pulsar + panoramic camera
OPERATING TEMPERATURE	- 10° + 40° C
POWER SUPPLY	12-24 V max 30 W (typical)

- ① PPK performance in open-sky GNSS environment.
 ② Not included, available separately.
 ③ RMS 1 σ , measured at 50 m distance.
 ④ When installed in a 3DT mounting kit.

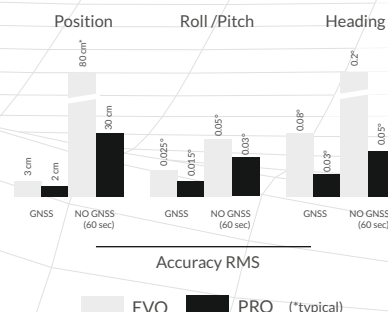


All features, functionality and other product specifications are subject to change without notice or obligation.

OVERVIEW

Weight: **1.4 kg**
 Dimensions: **180 x 133 x 142 cm**
 Scan Rate: **up to 1 920 000 points/s**
 Maximum range: **300 m**
 Recommended AGL: **15-85 m**
 Precision: **2 cm** ① ③
 Accuracy: **2 cm** ① ③
 Certification: **IP55 / CE** ④
 Control methods:
Capacitive touch button
Scanfly WebApp
SmartSurvey (for Windows OS) ②
 Post-processing:
SmartProcessing Lidar ②

COMPARISON



3DT
Technology meets efficiency

scanfly



On board



Backpack



Flying