

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 Scanfly PRO!**

REV 1.0 - 09.2025



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 MP Sony camera  
60.5 MP 360° panoramic camera



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



CE Marking  
Ingress Protection IP55



On board



Backpack



Flying

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## OVERVIEW

Weight: 1.4 kg  
 Dimensions: 180 x 133 x 142 mm  
 Scan Rate: up to 1 920 000 points/s  
 Maximum range: 300 m  
 Recommended AGL: 15-210 m  
 Precision: 2 cm ①③  
 Accuracy: 2 cm ①③  
 Certification: IP55 / CE ④  
 Control methods:  
 Capacitive touch button  
 Scanfly WebApp  
 SmartSurvey (for Windows OS) ②  
 Post-processing:  
 SmartProcessing Lidar ②

## LIDAR

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

## INS

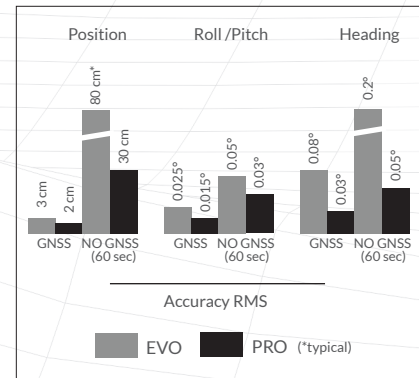
|                |                                      |
|----------------|--------------------------------------|
| GNSS           |                                      |
| CHANNELS       | 772 (2 x 336)                        |
| CONSTELLATIONS | GPS/GLONASS/BeiDou/Galileo/QZSS/SBAS |
| OPERATION MODE | PPK                                  |

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

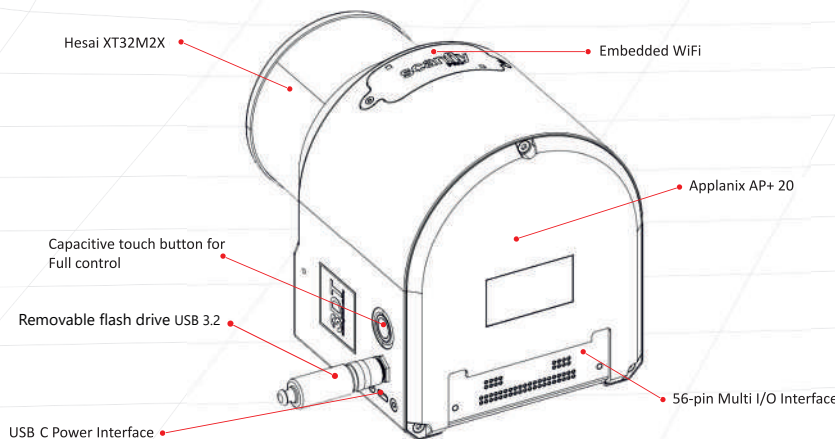
## GENERAL

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

## COMPARISON



- ① PPK performance in open-sky GNSS environment.
- ② Not included, available separately.
- ③ RMS 1  $\sigma$ , 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.



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On board



Backpack



Flying