www.scanfly.it

scanfly EVO

Unveiling the **Scanfly EVO**, the **3DT**'s entry-level LiDAR **mobile mapping** solution. Building on a legacy that began in 2016, the EVO stands as the definitive **multi-platform** tool. Whether walking, driving, or flying, enjoy a seamless, tool-less, and **cable-free** experience. Ensure unparalleled value with every survey. Experience the **EVOlution - Map effortlessy with Scanfly EVO!**

REV 1.0 - 09.2025

- Lidar: Hesai PandarXT-32
- INS: Applanix APX-15L
- 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



3DT scanfly EVO

The world, digitally twinned

THE MULTI-PLATFORM MAPPER

On board Backpack Flying

scanfly EVO

LIDAR

LASER CLASS	Class 1 eye safe (wavelenght 905 nm)
CHANNELS	32
ROTATION RATE	5-20 Hz
NUMBER OF RETURNS	2
RANGE ACCURACY	10 mm / 5 mm

INS

GNSS	
CHANNELS	336
CONSTELLATIONS	GPS/GLONASS/BeiDou/Galileo/QZSS/SBAS
OPERATION MODE	PPK
IMU	
DATA RATE	200 Hz (1 kHz internal rate)
ACCURACY	Roll/Pitch 0.025°/ Heading 0.08° ①

GENERAL

INTEGRATION INTERFACE	56 - pin receptacle
I/O	Ethernet, USB, Sensor power, 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 3DT-SF-v3-LMK – Land vehicles and backpack mount
RGB CAMERAS SUPPORTED ②	24 MP Sony camera 60.5 MP NCTech iStar Pulsar + panoramic camera
OPERATING TEMPERATURE	- 10° + 40° C
POWER SUPPLY	12-24 V max 30 W (typical)

OVERVIEW

Weight: **1.6 kg**

Dimensions: **181 x 133 x 142 mm**

Scan Rate: **up to 1 280 000 points/s**

Maximum range: **130 m**

Recommended AGL: **up to 85 m**

Precision: **3 cm** ①③

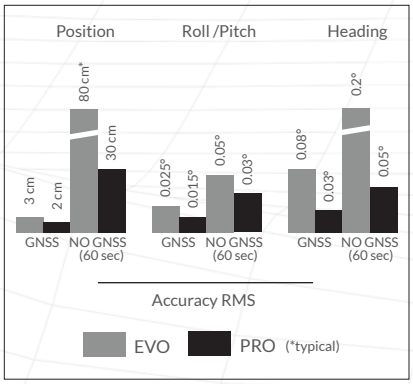
Accuracy: **3 cm** ①③

Certification: **IP55 / CE** ④

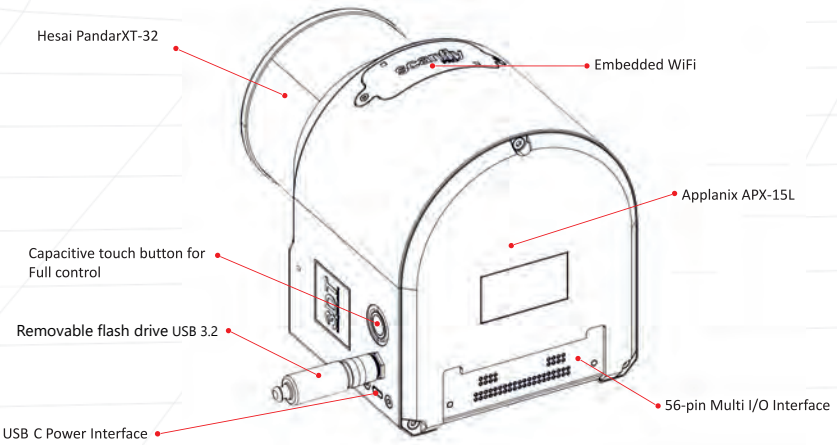
Control methods:
Capacitive touch button
Scanfly WebApp
SmartSurvey (for Windows OS) ②

Post-processing:
SmartProcessing Lidar ②

COMPARISON



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.

3DT Technology meets efficiency

scanfly On board Backpack Flying

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