

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 effortlessly with Scanfly EVO!**

REV 02 - 12.12.2023



Lidar: Hesai PandarXT-32



INS: Applanix APX-15L



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



scanfly
EVO

The world, digitally twinned

THE MULTI-PLATFORM MAPPER



On board



Backpack



Flying



LIDAR

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

INS

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

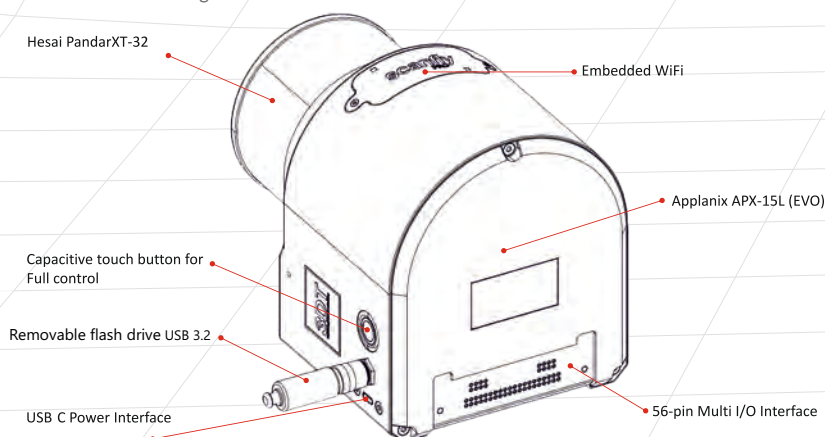
IMU

DATA RATE	200 Hz (1 kHz internal rate)
ACCURACY	Roll/Pitch 0.025°/ Heading 0.08° 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: **1.6 kg**
 Dimensions: **181 x 133 x 142 cm**
 Scan Rate: **up to 1 280 000 points/s**
 Maximum range: **130 m**
 Recommended AGL: **15-85 m**
 Precision: **3 cm** ① ③
 Accuracy: **3 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

