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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 01 - 06.10.2023



Lidar: Hesai PandarXT-32



INS: Applanix APX-15L



Multi-platform
Tool-less mounting accessories
Cable free design



Carry case



Multi-sensor interface
24-62 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



OVERVIEW

Weight: 1.6 kg
 Dimensions: 181 x 133 x 142 cm
 Scan Rate: up to 1 280 000 points/s
 Range: 130 m
 Recommended :AGL: 15-85 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

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

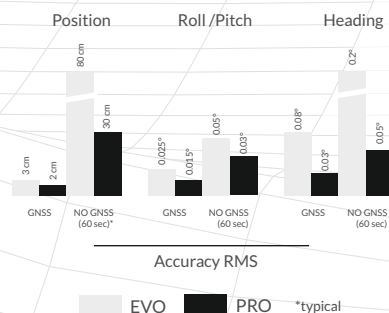
GNSS	
CHANNELS	336
CONSTELLATIONS	GPS/Glonass/Beidou/Galileo/QZSS/SBAS
OPERATION MODE	PPK - RTK (optional)

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

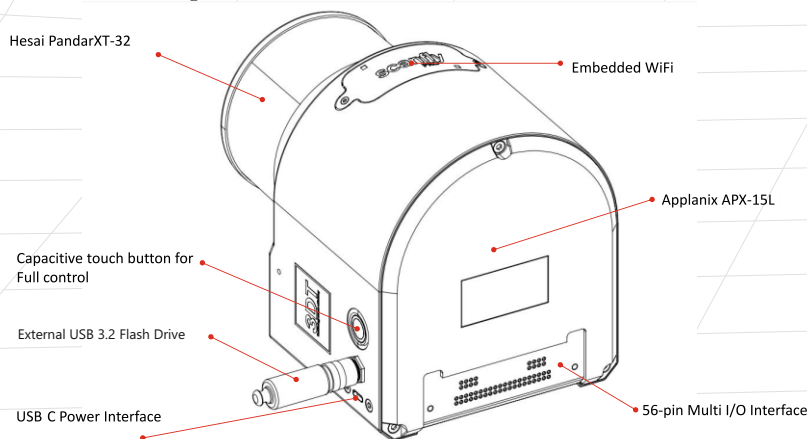
GENERAL

INTEGRATION INTERFACE I/O	56 pin receptacles Ethernet, USB, Sensor power, Camera trigger/strobe, GNSS
WiFi	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)

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.



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On board



Backpack



Flying