TOPODRONE
AFFORDABLE ACCURACY

TOPODRONE 100

LiDAR

Sensor model	Hesai XT16
Accuracy	3-5 cm
Weight	1 kg
Temperature Range	up -20°C to +60°C
Working Range	120 m
Workinf Flight Altitude	100 m
Number of Lines	32
Horizontal FoV	360°
Vertical FoV	30°
Single Return Mode	320 000 Hz
Dual Return Mode	640 000 Hz

IMU

Operating Frequency	200 Hz
Accuracy Heading	0,07 °, 1σ
Accuracy Pitch	0,01 °, 1σ
Accuracy Roll	0,01 °, 1σ

PPK

Frequency	10 Hz
Number of Channels	184
Accuracy	3-5 cm
GPS	L1C/A, L2C
GLONASS	L1OF, L2OF
BeiDou	B1I, B2I
Galileo	E1B/C, E5b
SBAS	L1C/A
QZSS	L1C/A, L1S, L2C

+41 21 588 02 11
info@topodrone.com
topodrone.com

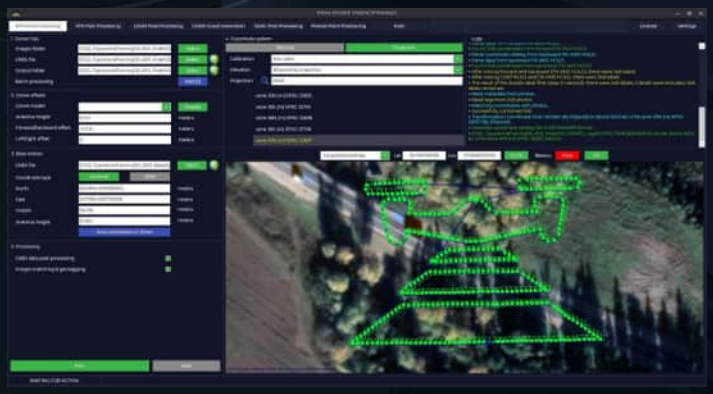
TOPODRONE +
AFFORDABLE ACCURACY

Affordability

The most affordable LiDAR solution in terms of price

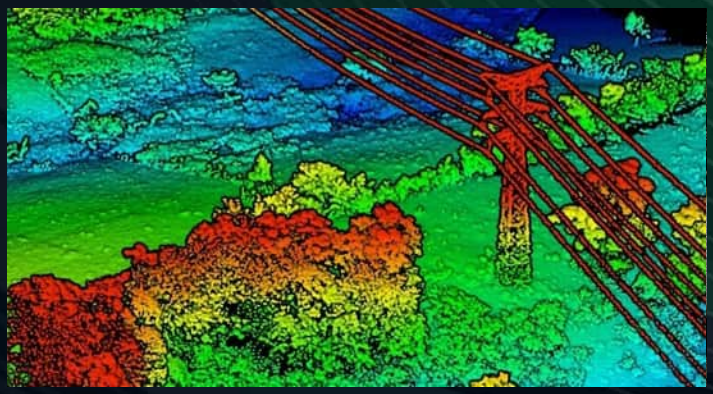
Post Processing Software

Software for automatic post-processing the trajectory and the dense point cloud generation in any coordinate systems



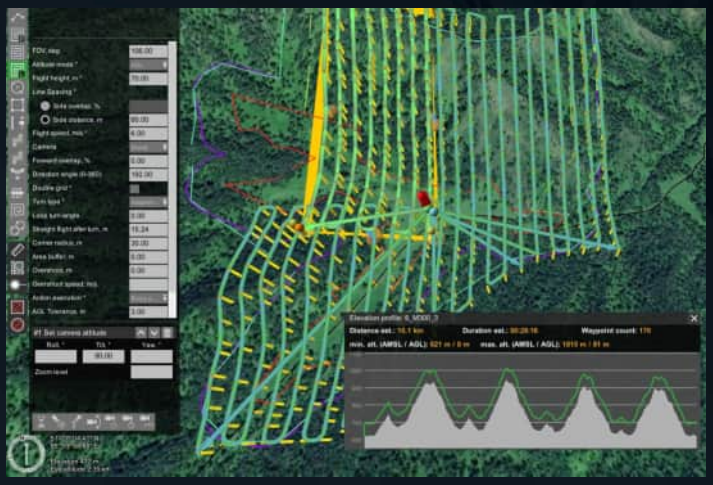
High precision

Highly accurate dense point cloud due to precise IMU and the TOPODRONE PPK GNSS receiver built into the LiDAR



Autonomy

Full autonomous operation with the ability to install on any drone, including DJI Matrice 200/210 V2 and DJI Matrice 300 RTK



Mobility

Can be installed not only on the drone, but also on a backpack and car

SLAM

Capable to receive accurate data even with poor GNSS signal when surveying under bridges and tunnels