

TOPODRONE 200+

LiDAR

| | |
|-------------------------|-------------------|
| Sensor model | Hesai XT32M2X |
| Accuracy | 3-5 cm |
| Weight | 0.8 kg |
| Temperature Range | up -20°C to +60°C |
| Working Range | 300 m |
| Working Flight Altitude | 200 m |
| Number of Lines | 32 |
| Horizontal FoV | 360° |
| Vertical FoV | 40.3° |
| Single Return Mode | 640 000 Hz |
| Dual Return Mode | 1 280 000 Hz |
| Triple Return Mode | 1 920 000 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 |

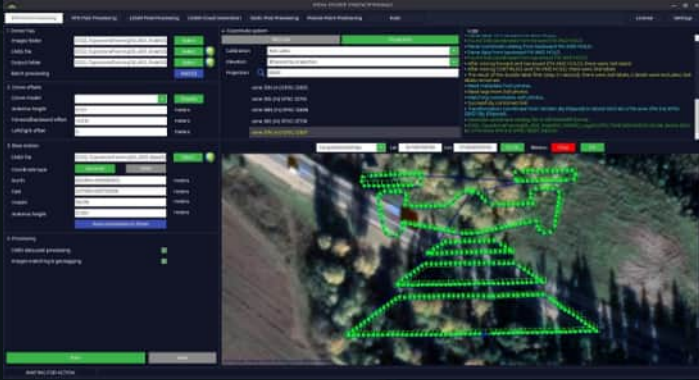


Affordability

The most affordable LiDAR solution in terms of price

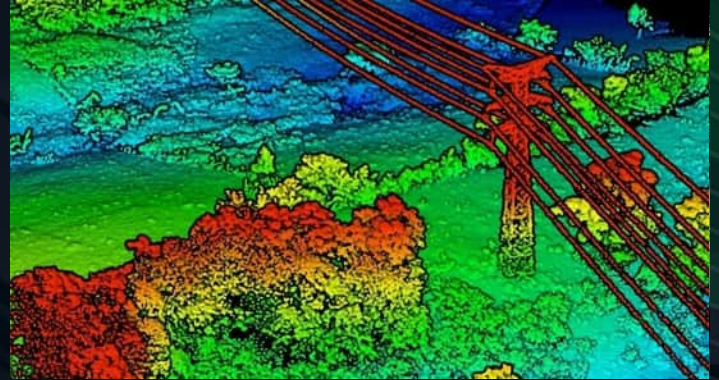
Post Processing Software

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



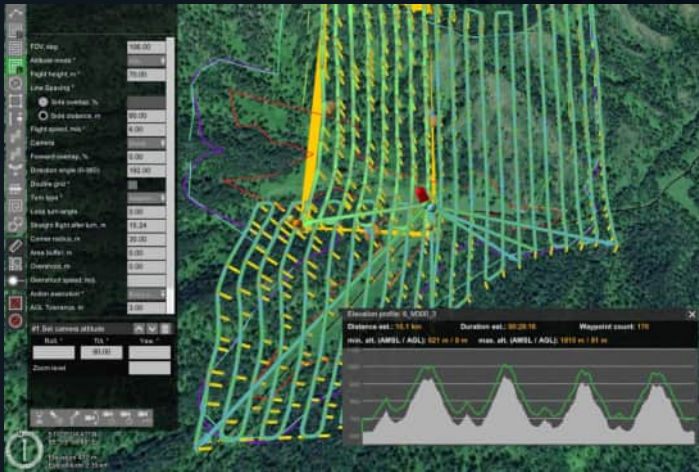
High precision

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

