



TOPODRONE
AFFORDABLE ACCURACY



TOPODRONE PPK GNSS MODULE FOR THE DJI MINI 4 PRO

**Centimetre-level geotagging accuracy for the DJI Mini 4 Pro
with no ground control points – PPK workflow**

- 5–6 cm geotagging accuracy without GCPs
- Topographic surveying at 1:500 scale
- PPK mode – post-flight data processing
- Operating temperature –10 to +40 °C
- Fixed solutions at baselines of up to 25 km
- Multi-frequency Unicore UM982 GNSS receiver, 1408 channels
- Raw GNSS observations logged to a memory card
- Automatic computation of camera exposure centres
- Support for local coordinate systems
- TOPODRONE Post Processing Basic software included



Automated mission support

- **WaypointMap** – a service for generating automated mapping routes for the DJI Mini 4 Pro;
- **Pixpro Waypoints** – planning and flying automated photogrammetric missions.

Key specifications

Country of manufacture	Russia
GNSS module	Unicore UM982
Update rate	20 Hz
Operating mode	PPK
Antenna	Detachable
Warranty	12 months

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TOPODRONE PPK survey-grade module

Module manufacturer	TOPODRONE
Module country of manufacture	Russia
GNSS receiver	Unicore UM982
Number of channels	1408
Data logging rate	20 Hz
Geotagging accuracy	5–6 cm
Operating mode	PPK, no radio link to a base station in flight
Maximum baseline from base station	Up to 25 km
Data logging	To a dedicated memory card
Memory card supplied	16 GB
Antenna	Detachable dual-frequency L1/L2
Operating temperature	–10 to +40 °C
Software	TOPODRONE Post Processing Basic
Coordinate systems	Transformation to local coordinate systems supported
Warranty	12 months

DJI Mini 4 Pro drone

Drone manufacturer	DJI
Drone country of manufacture	China
Camera	1/1.3" CMOS, 48 MP
Maximum image size	8064 × 6048 px
Image formats	JPEG, DNG (RAW)
Lens	24 mm equivalent, f/1.7
True vertical shooting	Supported
Maximum flight time	Up to 34 min (standard battery), up to 45 min (Plus battery)
Wind resistance	Up to 10.7 m/s
Obstacle sensing	Omnidirectional
Video transmission	DJI O4, up to 1080p/60fps
Maximum transmission range	Up to 20 km under FCC regulations
Operating temperature	–10 to +40 °C

Package contents

- Onboard multi-constellation L1/L2 GNSS receiver × 1
- Detachable L1/L2 antenna × 1
- Ribbon cable for the drone mainboard × 1
- 16 GB memory card for GNSS data logging × 1
- TOPODRONE Post Processing 2.0 Pro – perpetual licence + 1 year of support

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APPLICATIONS



Topographic surveying



Photogrammetry



Orthomosaic production



Mine surveying and 3D modelling



Cadastral and engineering surveys



Construction and asset monitoring

The TOPODRONE PPK GNSS module significantly improves DJI Mini 4 Pro survey accuracy and brings photogrammetric projects up to professional surveying standards.

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