

DESCRIPTION

The True Terrain Following enables the drone (UAV) to accurately follow the terrain during the flight, based on data received from radar or laser altimeter. True Terrain Following enables the drone to fly at low and constant AGL altitudes (up to 1 meter) without a need to import precise Digital Elevation Model (DEM) height-map into UgCS.

Components:

- SkyHub device
- Laser or radar altimeter
- Mounting kit, cables

Software:

- [UgCS v3.7 or higher](#)
- [UgCS Custom Payload Monitor v3.11.0 or higher](#)
- Mobile device: [UgCS for DJI v2.23 or higher](#)

Features

- Seamless integration with UgCS mission planning software
- Optimal for using with distance-critical payloads
- Configurable target and safe altitudes
- Configurable horizontal flight velocity

SPECIFICATIONS

GENERAL

Minimum flight altitude 0.5 m

Maximum flight altitude 30 m

Maximum horizontal flight velocity

- 3.5 m/s for TTF v1.0 (flight is controlled by position)
- 20 m/s for TTF v2.0 (flight is controlled by velocities)

GENERAL

Fail-safe functioning

- Loosing connection with the laser altimeter
- Bad value from the laser altimeter
- Going beyond safe altitude limits

Compatible drones

- DJI M210 / M210 V2
- DJI M600 / M600 Pro
- Custom frames based on DJI A3 flight controller