

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 (as low as 1 meter) without a need to import precise Digital Elevation Model (DEM) height-map into UgCS.

Components:

- UgCS SkyHub device
- Radar or laser altimeter
- Mounting kit, cables

Software:

- [UgCS v4.3 or higher](#)
- [UgCS Custom Payload Monitor v3.15 or higher](#)
- Mobile device: [UgCS for DJI v2.30 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	50 m
Maximum horizontal flight velocity	20 m/s

GENERAL

Fail-safe functioning

- Altimeter failure
- Going beyond safe altitude limits

Compatible drones

- DJI M210 / M210 V2
- DJI M600 / M600 Pro
- DJI M300 RTK
- Custom frames based on DJI A3 flight controller
- Pixhawk with ArduCopter / PX4

Supported altimeters

- Nanoradar NRA24 radar altimeter
- Lightware SF30/D laser altimeter

Kit weight

170 g with mountings