

Description

The True Terrain Following enables the DJI drones (UAV) to follow the terrain during the flight accurately, 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 0.5 meters) without a need to import a precise Digital Elevation Model (DEM) height map into UgCS.

Components:

- SkyHub onboard computer
- Radar or laser altimeter
- Mounting kit, cables

Software:

- [UgCS v4.19 or higher](#)
- [UgCS Custom Payload Monitor v3.19 or higher](#)
- Mobile device or RC controller (for drones prior to DJI M350 RTK): [UgCS for DJI v2.39 or higher](#)
- RC controller (for DJI M350 RTK): [UgCS SkyApp](#)

Features

- Seamless integration with UgCS mission planning software
- Optimal for using with distance-critical payloads

Specifications

General

Minimum flight altitude	0.5 m
Maximum flight altitude	50 m
Maximum horizontal flight velocity	20 m/s
Fail-safe functioning	<ul style="list-style-type: none">• Altimeter failure• Going beyond safe altitude limits
Compatible drones	<ul style="list-style-type: none">• DJI M350 RTK M210 / M210 V2• DJI M300 RTK• DJI M600 / M600 Pro• DJI M210 / M210 V2
Supported altimeters	<ul style="list-style-type: none">• Nanoradar NRA24 radar altimeter• Lightware SF30/D laser altimeter• Ainstein US-D1 radar altimeter
Weight with mountings	Approx. 300g, depending on the altimeter