

TRUE TERRAIN FOLLOWING KIT

DESCRIPTION

The True Terrain Following (TTF) Kit allows certain drone models to accurately follow the terrain during flight, based on data received from a radar or laser altimeter. True Terrain Following enables the drone to fly at low and constant AGL altitudes without the need of a precise Digital Elevation Model (DEM) height-map.

Components:

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

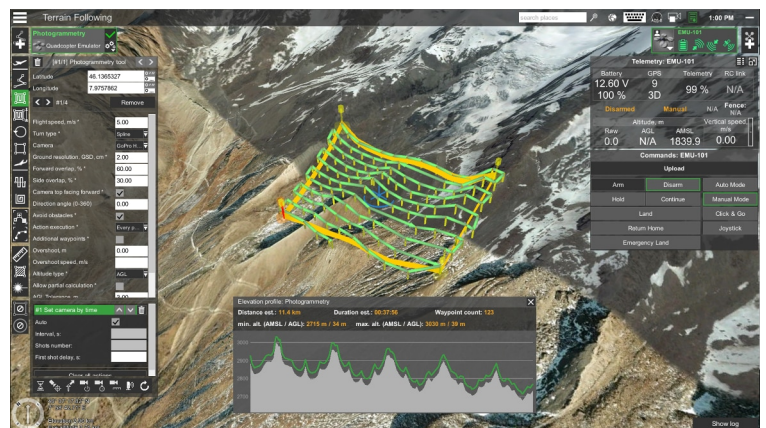
Software:

- 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
- Configurable target and safe altitudes
- Configurable horizontal flight velocity



SPECIFICATIONS

MIN/MAX FLIGHT ALTITUDES

Minimum flight altitude	0.5 m
Maximum flight altitude for radar altimeter	50 m
Maximum flight altitude for laser altimeter	10 m above water 50 m above other surfaces

GENERAL

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 M210 / M210 V2 • DJI M600 / M600 Pro • DJI M300 RTK / M350 RTK • Custom frames based on DJI A3 flight controller • Pixhawk with ArduCopter / PX4
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. 300 g, depending on the altimeter

