Importadora Gyb Limitada
Padre orellana 1476
Santiago CL13101 Chile

UgCS - Drone flight planning software

Código: GD-UGCDROFLI

Ver producto en Cotecno | Solicitar cotización

Detalle

UgCS is a desktop-grade, multi-platform drone mission planning software designed for rigorous geospatial and survey workflows. It enables precise, automated flight planning—even in complex terrains—by supporting KML/CSV route imports, custom DEM data, terrain-following path creation, and offline map caching. The program’s clean and intuitive interface is designed to be easily understood by both beginner and professional UAV pilots.

Built for professional workflows, UgCS features tools for photogrammetry, corridor mapping, vertical scans, LiDAR missions, and magnetometry surveys—all within a rich 3D planning environment. With compatibility across a wide array of drone platforms—including DJI, Freefly, Ardupilot/PX4, and more— UgCS offers exceptional flexibility. Applications

LiDAR surveys Vertical inspections Mining Photogrammetry

Magnetic and other low altitude surveys Powerline inspections

Live video streaming surveys Test counter-drone systems UgCS offers three license levels that scale with the operator’s needs. PRO provides all the essential tools for photogrammetry, mapping, and inspections, making it the optimal choice for most pilots. EXPERT extends functionality with specialized LiDAR tools and precision algorithms, enabling the collection of higher-quality data from the very first flight. ENTERPRISE unlocks the full potential of UgCS: centralized planning, multi-drone missions, video streaming, and SDK integration, making it the ideal solution for teams and large organizations.

Why choose UgCS PRO

Preplan flights from home or office on a large screen

Reduce time spent in the field by planning ahead

Take on more complex projects and expand your drone operations

Increase safety through advanced terrain following algorithms

Use a single flight planning solution for all drones in your fleet Why choose UgCS EXPERT

Preplan flights from home or office on a large screen

Reduce time spent in the field by planning ahead

Smart AGL allows to fly up even near-vertical slopes

Automate IMU calibrations to capture consistent LiDAR data

Collect better LiDAR data from the first time

Compatible with any LiDAR sensor on a drone Why choose UgCS ENTERPRISE

Centralize flight planning and telemetry for the drone fleet

Importadora Gyb Limitada
Padre orellana 1476
Santiago CL13101 Chile

Plan flights in the office and share with drone pilots

Deploy UgCS server in remote or local cloud

Access and record live video feed from drones using video tools

Scale your drone business by building custom apps through SDK

Often, drones come with their own flight control software. For example, one of the most popular enterprise UAVs from DJI is equipped with DJI Pilot 2, a native app designed for basic waypoint missions and simple inspections. However, when projects require advanced 3D planning, terrain-aware automation, or specialized workflows such as LiDAR and magnetometry surveys, operators turn to UgCS as a professional mission planning solution. Feature / Tool DJI Pilot 2 UgCS FLIGHT PLANNING Basic route creation ✓ ✓

Suitable for large areas / complex projects – ✓ Route customisation Limited Full

Number of planning tools 4 12

Automatic route from files KML only KML, CSV Segments per route Only 1 type at once Unlimited Preview multiple routes – ✓ Circlegrammetry tool – ✓ Vertical scan tool – ✓ Orbit flights – ✓ LIDAR FEATURES

DJI L1 / L2 calibration ✓ ✓

Flight planning using FOV angle – ✓

IMU patterns: 8 / U-shape – ✓ Adjustable corner radius – ✓ Loop corner turns – ✓ TERRAIN FOLLOWING Basic AGL following ✓ ✓ Near-vertical slopes – ✓ Smart AGL Elevation profile preview – ✓ Adjustable AGL resolution – ✓ MAP FEATURES DEM import ✓ ✓ Map overlays ✓ ✓ Map display 2D only 3D available Offline map caching Map only Map + Elevation Display KML lines – ✓ Visibility range preview – ✓ Custom no-fly zones – ✓ OVERVIEW Platform

DJI RC Pro / Plus PC / Mac DJI drone support M300, M350, M30, M3E

+ M600, M210, P4, M2 etc.

PX4 / Ardupilot support – ✓ Collaborate with pilots – ✓ Multiple drones control – ✓ Centralized deployment – ✓

Supported Drones for UgCS UgCS is compatible with a wide range of drone platforms. Acecore Arcsky Aurelia Autel CubePilot

DJI (including Mavic, Phantom, Inspire, Matrice series) DroneBase Freefly Hexadrone Inspired Flight

Other Ardupilot / PX4 (e.g. Pixhawk-based drones) Watts Innovations Wispr Xer Technologies Yuneec

Siguiente paso: ver producto en Cotecno | solicitar cotización