What is UI DRONE

UI DRONE is designed to deliver various photogrammetry Solutions. It empowers processing drone captured data and generate data types like Orthomosiac, Digital Surface Models, Digital Terrain Models, Elevation Models, Vegetation Indices, 3D models using various photogrammetry algorithms. UI DRONE offers scalable solutions to process huge amount of workload in parallel processing.

What can you do with UI DRONE?

Orthomosaic: UI DRONE processes and generates Orthomosaic images through raw images insourced from multiple input options.

Digital Surface Models: UI DRONE provides DSM with ease and better accuracy and allows to download DSM in geo-tiff format for further processing.

Digital Terrain Models: Generate Digital terrain model with simplicity and enhanced accuracy also offers to download DTM in geo-tiff format.

Vegetation Index: Generate Vegetation Index such as NDVI from IR images and VARI from RGB images to see vegetation. Visualize vegetation index by selecting minimum and maximum range.

Comparison Analysis: Compare two unique orthomosaic images generated from different dates. Easily examine and understand the progress over the period.

Project Management: Cloud enabled UI DRONE makes it easier for you to have all raw images managed professionally with appropriate categorization.

Upload Image » Add GCP » Process and Notification » Share Reports

Features and Outputs

Orthomosaic

Digital Surface Model

Digital Terrain Model

Vegetation Index

Comparison Analysis

Project Management

Multiple Input Sources

Plan Export

Applications

CONSTRUCTION AND PLANNING

URBAN PLANNING AND DEVELOPMENT

ROADS AND RAILWAY TRACK MAPPING

LAND SURVEY AND MAPPING

AGRICULTURE

FOREST MANAGEMENT