UAV DATA Processing.com is a leading UAV DATA PROCESSING company in India



An Unmanned Aerial Vehicle (UAV), commonly known as a drone and referred to as a Remotely Piloted Aircraft (RPA) by the International Civil Aviation Organization (ICAO), is an aircraft without a human pilot aboard. UAV's have opened up a whole new world of surveying, Ortho photo production, 3D modelling and feature extraction possibilities. Due to the massive simplification of the data acquisition stage, compared with conventional methods of aerial capture, the costs involved have been drastically reduced.



UAVDATAPROCESSING.COM (a division of GeoShot Technologies) having a decade of experience in the professional surveying industry, now specialising in UAV data processing and delivers high quality true ortho photo, Contours / DEM / DTM / DSM and city-wide 3d model to use for a range of urban planning, commercial, utilities, environmental, agriculture and governance requirements. Post processing is performed using very powerful workstations to handle the massive size of the datasets acquired.

We strive for customer satisfaction. You express, we deliver!

GeoShot Technologies

SF - 30, Omaxe Celebration Mall Sec 48, Near Subhash Chowk Sohna Road, Gurgaon +91 124 4222993/ 4222654 Haryana, Delhi NCR, India - 122001

info@uavdataprocessing.com www.uavdataprocessing.com





UAV Data Acquisition

Ortho Rectification

Data modeling – DEM / DTM / DSM

2D/3D Feature Extraction

3D Video Production

UAV Photogrammetry Mapping

REQUIRED INPUTS FOR PROCESSING

UAV photos

Flight log

GCP coordinates

GCP location

Specification

DATA MODELING

DEM (Digital Elevation Model)

DEM files contain the elevation of the terrain over a specified area, usually at a fixed grid interval over the "Bare Earth".

DTM (Digital Terrain Model)

DTM (Digital Terrain model) can be described as a three dimensional representation of a terrain surface consisting of X, Y, Z coordinates stored in digital form and It includes not only heights and elevations but other geographical elements and natural features such as rivers, ridge lines, etc.

DSM (Digital Surface Model)

info@uavdataprocessing.com

DSM (Digital Surface Model) represents the MSL elevations of the reflective surfaces of trees, buildings, and other features elevated above the "Bare Earth"

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