

- ▶ SAFE
- ▶ SIMPLE
- ▶ PRECISE

GEOROTOR 4

*Compact and reliable system
 for user-friendly GIS surveys*



*Professional
 cartographic
 UAV system*



maximum
 range 25km



40 minutes
 flight time



covered area of
 0,45-0,75km² per flight



portable
 design

CAMERAS, SENSORS

The professional GIS results can be achieved through the on-board implementation of industrial sensors/cameras most suited to the user requirements.

ISM/SRD RADIO

The SDR is a control and telemetry radio solution which ensures hassle-free operation in urban environments, in compliance with EU requirements.

BIAXIAL GIMBAL

A biaxial gimbal stabilizes the camera during flights and gives the opportunity to take tilted-angle pictures. The camera unit is separated from the main body by compression vibration dampers to enhance image quality.

COMPACT, FOLDABLE FRAME

Carbon composite frame that provides maximum stiffness, while remaining easy to fold for transportation.

PPK GNSS

The on-board PPK GNSS system records the exact coordinates of aerial photos, which allows for a precision survey with the use of minimal or even zero GCP (Ground Control Point).

STANDARDIZED CONTROLS

The system is compatible with any flight planner software using a standard MAVLink protocol.



SET UP

YOUR OWN SYSTEM

ROTORS AND CAMS
RAC



GEOROTOR4

CHOOSE BETWEEN THE OPTIONS

The system components can be chosen as desired. Customize them to your needs and budget by combining them.

CHOOSE A CAMERA

Choose the one that suits your needs. The default options are an APS-C Sony A6000, an APS-C MAP-01 or a full-frame MAP-A7R. Integration of custom cameras is also possible.

ENJOY THE RESULTS

Plan your task and let GeoRotor4 do its job. From take-off until landing, the autonomous flight plan ensures speed, accuracy and the opportunity for validation.

OPTIONAL COMPONENTS

▶ CAMERAS & SENSORS

The on-board gimbal is suitable for 24MPixel Sony Alpha 6000 camera, 24MPixel MAP-01 APS-C and 34MPixel MAP-A7R Full-Frame industrial cameras. Integration of other sensors is also possible.

▶ POWER

Flight time is 40 minutes with a Lithium-Polymer battery and 60 minutes with a Lithium-Ion battery. We provide the system equipped with an intelligent charger optimal for the selected battery type.

▶ COMMUNICATION SYSTEMS

By using ISM / SDR radio modules, a communications range of 25 KMs can be achieved in compliance with EU standards. In case of using an LTE / 4G module, there is no communications range limit.

▶ GROUND CONTROL STATION

We offer a Surface Pro3 tablet with an impact resistant case as a standard ground control system. Shock- and waterproof Panasonic ToughBook or ToughPad products are optional for industrial and military applications. However, the GeoRotor4 system can also be operated by a regular laptop/ notebook.

▶ PPK / RTK SYSTEM

EMLID's on-board and ground-based elements allow for high accuracy in recording position information and post-flight processing.

▶ ACCESSORIES

In addition to the system's main units we also offer portability, maintenance and battery charging/discharging accessories.

