

GerMAP Launches New Aerial Mapping UAV



G170-V, a vertical take-off and landing (VTOL) fixed-wing unmanned aerial vehicle (UAV), is the latest UAV German-based GerMAP has added to the remote sensing and aerial mapping market. G170-V ideally combines the easiness of manual or automatic vertical take-off and landing procedures of multicopters with the area coverage efficiency of aeroplanes.

With its 20MP RGB-camera the G170-V covers areas up to 25ha in about 20 minutes maintaining close to 3cm ground sampling distance (GSD) from 100m above ground level (AGL) and delivering autopilot-triggered, location-based aerial imagery with 80% along track and 70% across track image overlaps. G170-V's flight control automatically transitions into copter mode when flying too slow as an airplane, and it vice versa switches

automatically over into airplane mode when it's sufficiently fast, which is at approx. at 10 m/sec cruise speed. GerMAP offers the G170-V with a maximum take-off weight of 4kg to the market including training for the UAV and its ground station with flight mission planning and control software.

<https://www.gim-international.com/content/news/germap-launches-new-aerial-mapping-uav>
