







## **Specification – PAMS**

Weight in air Operational speed Payload Max flying time Propulsion Flight modes Control electronics Control communication Sensor Ceiling Range Flight safety Software basis station Software img processing Transport < 1.1 kg</p>
12.5 m/s
≤ 200 g
~ 45 min
Propeller, aft mounted, e-driven
Autonomous, Assisted, Manual
Autopilot, GPS, IMU
bi-directional, interference-tolerant (by frequency hopping)
Camera, 7 – 12 Mpix, RGB, CIR, calibrated
300 m above ground level (AGL), autopilot controlled
750m radius, autopilot controlled, stay within visibility!
Return-to-home, virtual 3D-fence, GPS/link/control-fail, tracker
Planning, real-time monitoring & control, GPS-downlink
Aerial Mapper for plane rectification and geom. mosaicking
1 transport case (80x45x15cm3, 7 kg), 1 utility box 4 kg, 1 backpack

BLOM











## **Documentation – Göltschtalviadukt**



## PAMS flight mission Oblique pin point imaging Nadir aerial images for orthomosaic generation

Orthomosaic 5 cm GSD

BLOM





UAS-Mapping offers multiple applications opportunities (examples)

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- Industrial surveying
- Spatial development p
- Environmental documental
- Agriculture
- Forestry
- Golf courses
- Hydrologic environment mapping
- Landslide monitoring
- Safety
- Disaster documentation
- many more ...





