



Date: 24.02.2017.
Place: Tirana, Albania

Knowledge FOR Resilient soCiEty

**Equipment: Dron for PhD studies
+ Video**

University of Novi Sad



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UNMANNED AERIAL VEHICLE (UAV)

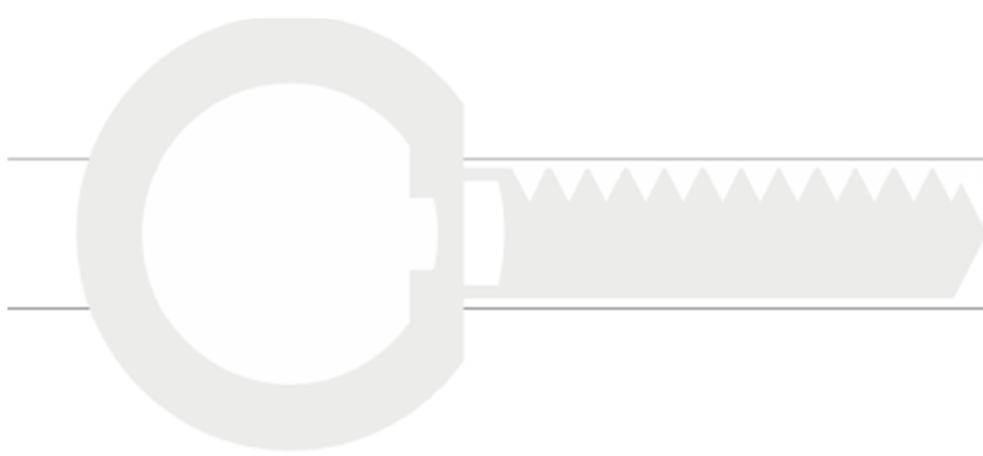
The rapid development of precision GPS, gyroscope technology and modern techniques of data collection and processing, as well as the expansion of low-cost platform with amateur or professional cameras and systems necessary to navigate with high precision brought UAV (Unmanned Aerial Vehicles) technology.

An UAV, commonly known as a drone, unmanned aircraft system (UAS), or by several other names, is an aircraft without a human pilot aboard. The flight of UAVs may operate with various degrees of autonomy: either under remote control by a human operator, or fully or intermittently autonomously, by onboard computers.



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SenseFly SA is the creator of the lightweight, the sensor-rich **Albris** drone for civilian applications. Albris offering TripleView imaging and advanced situational awareness.

Abilities:

- *high-res 2D mapping, 3D building mapping, construction monitoring, agricultural & archaeological mapping*
- *structural inspection & documentation, crack/defect detection, solar panel analysis, tower inspection etc.*



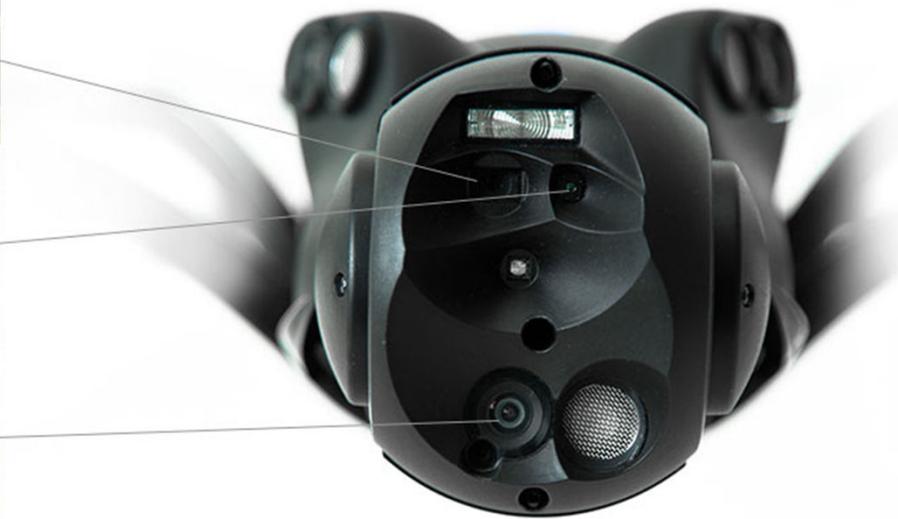
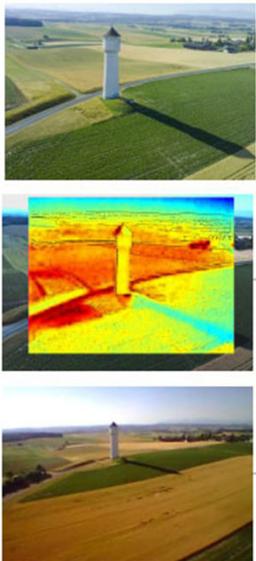
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Albris senseFly FEATURES makes him unique in the world market:

1 flight, 3 types of imagery

Fully stabilised TripleView camera head allows you to switch between HD and thermal video imagery, live during your flight, plus you can capture high-resolution still images on demand, without landing to change cameras.



The TripleView head features a 180-degree vertical range of motion, 6x digital zoom, active gimbal stabilisation and, thanks to the albris' shrouding frame design, an unobstructed field of view allowing you to capture clear and stabilised imagery ahead, above and below the drone.



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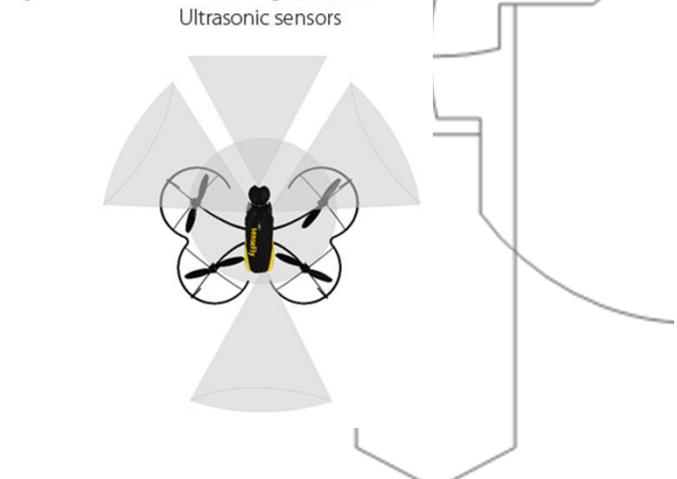


Albris senseFly FEATURES makes him unique in the world market:

Advanced situational awareness

The albris is designed from the ground up to perform live inspections of buildings and other structures. He features five dual-sensor modules, positioned around the drone.

This high level of operator awareness makes albris particularly suitable for sensitive or dangerous sites, such as cliff faces, flare stacks, bridges... and he can operate close to structures and surfaces, to achieve sub-millimetre image resolutions.



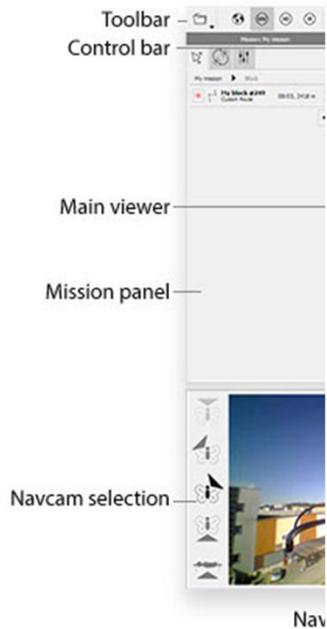
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Albris senseFly FEATURES makes him unique in the world market:

Choose your flight mode

Choose the mode that best fits your project: an Autonomous, GPS-guided mapping mission or a live-streaming Interactive ScreenFly flight. Or start in mapping mode and 'go live' on demand.



live-streaming Intera



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Thank you
for your attention

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