

## AB PROFI DRON s.r.o.

We are a new, dynamically growing company that specializes in providing **drones, drones with 3D cameras, and drones with thermal cameras** at a professional level.

In the field of unmanned aerial systems, our company uses drones for **aerial photography, mapping, and three-dimensional imagery via photogrammetry – as well as aerial inspections, drone flights, thermographic images, and photovoltaic inspections.**

Additionally, it is possible to use **drones with a cameras or thermal cameras** in the film and marketing industry or as innovative products for research.

We have an experienced, reliable, and professional team of workers, who are excellent at handling unmanned aircraft technology – drones. Thanks to our work experience and positive references from satisfied clients, our know-how is constantly increasing. Our professional technology makes it possible for you to see images with perfect resolution – even to see what is hidden to the naked eye.



## Drone Audits and Inspections

**Drones** are a great assistant to have in the air, as well as irreplaceable helpers in hard-to-reach places. The drones are also equipped with sensors to protect against collision or obstacles.

Using these unmanned aircraft, it is possible to supervise, audit, or inspect things such as transmission towers, wind turbines, masts, and even bridge construction, etc.

## Our technology:

The Yuneec H520, a premium professional drone for filming top-quality professional videos and 2D/3D mapping. It has a ST16S controller with 7" display, 6-rotor design, and retractable landing gear.

**The drone can be even used in forbidden areas, such as near airports, terminal zones, and industrial zones.**

The H520 also has a newly designed **GPS module**, which makes it possible to receive GPS, GLONASS, and Galileo satellite navigation signals.



## The H520's Features

1. **A HV battery with up to 28 minutes of flight time**
2. **The option of various top-quality cameras**
3. **SDK support** offers a wide range of interfaces for programming the H520
4. **2D/3D mapping options**
5. **Waypoint, reconnaissance mode, Point to Fly (incl. map offline)**
6. **It is very quiet**; new motors make most of the propellers virtually inaudible
7. **Wide satellite coverage (GPS, GLONASS, Galileo)**
8. **THE CAMERAS ARE COMPATIBLE ONLY WITH THE H520**

## Cameras

The **Yuneec E90 camera** for the H520 professional drone, with a 3-axis gimbal and EU norm compliance. It is equipped with a high-aperture 1" CMOS sensor, which can record high-quality videos and still images with 20 megapixel resolution. Exceptionally dynamic scope. The **Yuneec CGOET for the H520** contains two thermal cameras for measuring object temperatures and a traditional camera, which can



help you determine what it is that you are filming. All this is integrated into a 3-axis gimbal. Both the camera's picture and its control system are transmitted via a 5 GHz WiFi connection.

## Other Uses

This modern technology can be used in many other fields:

**Our safe, professional drones (six-motor and fully programmable) can fly even in zones where drones are forbidden.**

Presentation videos – advertising, interactive

Virtual tours for supervising and viewing buildings from many angles and perspectives, either from the ground or the air.

Inspection flyovers used to supervise construction, coordinate construction activities, and document projects from A to Z.

Imagery of buildings inaccessible by conventional technology – on account of height, space, or locality.

