



Mine Kafon

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Destiny

Mapping drone



MK Destiny

MK Destiny Drone

Deminers and defense forces around the globe face extreme and often unnecessary dangers and difficulties while involved with surveillance, field preparation and UXO removal in areas containing remnants of war. Problems contributing to this include hidden danger and difficult terrains that need to be carefully mapped and analyzed to avoid serious risks.

The Destiny Drone could become an integral tool for deminers and field survey teams in these situations.

How it works

Hazardous areas are identified via live video stream using a high-resolution camera with powerful zooming capabilities. Identified mines or crates are then marked on a digital map by the user. A 3D map of the area of interest is then created using the autonomous mapping functionalities. The map can then be used to further inspect the terrain and potentially dangerous regions using computer vision algorithms.

The Destiny Drone is a long-range surveillance drone with potential for integration into a variety of high-end industries. The drone incorporates a high resolution 10x zoom camera on board with a three-axis gimbal and is capable of long-range flights up to a few kilometers in distance, maintaining precise position information with the use of RTK technology. The Destiny Drone is designed with high-performance carbon fiber to reduce weight and increase flight time up to 1 hour. Due to the X8 motor configuration, if one or two motors fail in emergency situations, the Destiny Drone is still capable of flying safely. Compact, durable and able to operate in difficult weather conditions, this is a piece of equipment designed to last.