



UNMANNED SYSTEMS

MK DESTINY

Technologies

Octocopter (8 rotors)

Flight duration

Medium (15 to 45 minutes)

Last update

October 16, 2019

General description

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 longrange 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.

Working characteristics

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.

Power supply data

Battery	6s, 18000mah
Low battery alert	
Low battery alert information	at 20%
Rechargeable	
Operating time	0.5 hours
Operating time information	flight time of up to 45 minutes and charging time of 30 mintues
Battery charger provided	
Battery charger information	Supercharger provided that takes 30 minutes to fully charge the battery

Dimensional data

Length	600 mm
Weight	3.2 kg
Transport case provided	
Transport case information	Peli 1730 Case
Transport case weight	17.34 kg
Transport case weight info	weight including protective foam
Case dimensions	95.2 x 68.9 x 36.5 cm

Factory support data

Factory support	Yes, after-sales services including field services if needed
Warranty	1 year
Humidity (limitations)	splash proof
Water resistant	
Temperature limitations	from -40 to plus 60 degrees celsius

Price

Reduction for higher quantity	depends on the order
Possible to rent	
Price for training	Leasing is an option, upon request

Other

Additional equipment	Add-ons for Mine Detection can be purchased and added to the drone
Other models	MK Manta

Technical data

Maximum speed	75 km/h
Max flight duration (no wind)	40 minutes
Max hovering duration (no wind)	60 minutes
Max flight distance (no wind)	20000 m
Max wind speed resistance	88 km/h
Operating frequency	2.4 GHz
Flight / trip planning software	
Live data transmission	
Image processing software	

MK DESTINY

Images



