



DH - HELI

SYSTEM DESCRIPTION

The gasoline powered Heli UAV is capable of flying 4+ hours. The capability is due to presence of an inbuilt 2000 W generator which sustains the UAV. This is also called hybrid drone because the generator is fueled by gasoline and the battery provides redundancy for landing back home in case of emergency. This UAV can be used for crowd management, surveillance and disaster management purposes.

SPECIFICATIONS

<i>Total length without blades:</i>	<i>1.73m</i>
<i>Height</i>	<i>: 0.7m</i>
<i>Landing gear width</i>	<i>: 0.5m</i>
<i>Frame width</i>	<i>: 0.18m</i>
<i>Main rotor disc diameter</i>	<i>: 2.14m</i>
<i>Tail rotor disc diameter</i>	<i>: 0.403m</i>
<i>Engine</i>	<i>: Twin cylinder, Air cooled</i>
<i>Fuel</i>	<i>: Gasoline/oil mix</i>
<i>Fuel capacity</i>	<i>: 3.78 litres</i>
<i>Endurance</i>	<i>: 50 minutes with 5 minutes reserve</i>
<i>Drive train</i>	<i>: Sealed wet gearbox</i>
<i>Payload capacity</i>	<i>: 13.60 kg, max, at sea level</i>

