

HDS-NSS VERTICAL TAKE-OFF LANDING (VTOL)



HDS-NSS VTOL (Vertical Take-Off and Landing) drone is an unmanned aerial system designed to lift off, hover, and land vertically without the need for a runway, combining the flexibility of a helicopter with the efficiency of a fixed-wing aircraft. This capability allows it to operate in confined or remote areas while still achieving extended flight range and endurance during forward flight.

HDS-NSS VTOL drones are widely used for applications such as aerial surveying, infrastructure inspection, delivery services, and surveillance, offering a versatile solution for missions that require both precision manoeuvrability and long-distance coverage.

DETAILS	PARAMETERS
Wingspan	2,800 mm
Fuselage length	2,100 mm
Dead weight	18 kg
Payload weight	3 kg
Maximum Take Off Weight (MTOW)	21 kg
Cruising Speed	N/A
Maximum Flight Speed	N/A
Flight Time	60 min
Flight Altitude	4,000 m
Flight Distance	20 km (depends on Earth Control Station digitizer)
IP rating	IP56 (Dust and water proof)
Material	Carbon Fiber Military Grade Kevlar
Launch Method	VTOL
Recovery Method	VTOL

Specifications are subject to change without any notice. | All tolerances are within $\pm 10\%$