PAYLOAD DRONE · SKU AX-D50

D50 Transport Drone

50 kg payload transport drone rated to 5000 m altitude and 10 km range, built for mountain and long-distance cargo.



MAX PAYLOAD	RANGE	ALTITUDE RATING	ROLE
50 kg	**10 km**	**5000 m**	**Cargo transport**

The **D50 Transport Drone** is built for one job: moving cargo where roads do not reach easily. It is rated for a **50 kg payload**, a **10 km operating range** and a service altitude of **5000 m**. That combination targets mountain logistics, island resupply and remote industrial sites.

Air gets thinner as you climb. At high altitude, a rotor produces less lift and a drone that performs well at sea level can struggle. An altitude rating of 5000 m means the D50 is specified to operate in mountain environments where many drones lose much of their capacity. Payload and endurance at altitude will still be lower than at sea level, so tell us your operating altitude when you request a quote and we will confirm realistic figures.

A 10 km range opens up routes, but those routes bring regulatory responsibilities. Flights beyond visual line of sight (BVLOS) normally need specific approval from your aviation authority, a risk assessment and often additional equipment. Start that process early. Our resources page links to the relevant authorities and to the EU's SORA risk-assessment method. Our long range payload drones article covers BVLOS planning in more depth.

Key features

50 kg cargo capacity. Substantial loads per flight for supply and logistics.

10 km range. Reaches sites well beyond a short shuttle hop.

5000 m altitude rating. Rated for high-altitude work in mountain regions, where thin air reduces rotor lift.

Transport focus. Designed around cargo carriage rather than imaging.

Remote-site logistics. A link to sites where roads are slow, seasonal or absent.

Specifications

PAYLOAD & PERFORMANCE	
Maximum payload	50 kg
Operating range	10 km

Service altitude	5000 m
Flight time	Confirmed in quotation
Max speed	Confirmed in quotation
Wind resistance	Confirmed in quotation
AIRFRAME	
Configuration	Confirmed in quotation
Wheelbase	Confirmed in quotation
Empty weight	Confirmed in quotation
Max take-off weight	Confirmed in quotation
SYSTEMS	
Flight controller	Confirmed in quotation
Positioning	Confirmed in quotation
Payload interfaces	Cargo box / hook / release (configured to order)
COMMERCIAL	
Lead time	Confirmed in quotation
Warranty	Confirmed in quotation
Shipping	Sea, air or express; batteries ship as Class 9 dangerous goods (UN3480/UN3481)

Applications

Mountain logistics · Island and coastal delivery · Mining and energy · Disaster relief · Border and remote infrastructure

Specifications may vary by production batch; your written quotation takes precedence.

Request a quote: https://gokarts.voltexmotionsupply.com/request-quote/?product=d50-transport-drone
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