

VERTICAL TAKEOFF
AND LANDING
FIXED WING

Y45



Y45 is a tandem layout tail push vertical takeoff and landing fixed wing flight platform, using full body aviation carbon fiber composite materials. Its characteristics are high strength and light weight, suitable for various application scenarios such as long operation time and heavy mission load requirements



Multiple types of pods to choose from



| Application shooting



Capable of carrying 20 kilograms and flying for 7 hours
Tandem body layout, high efficiency, stable structure



Vertical takeoff and landing, unrestricted flight site

Technical Parameter

Y45 Parameter	
Overall length	2905 mm
Height	930 mm
Wingspan	Rear wing 5100mm&front wing 3530mm
Body material	Aviation carbon fiber composite materials
Engine	Gasoline engine
Load capacity (including oil)	45 kg
Maximum safe takeoff weight	100 kg
Safe level flight speed	28~45 m/s
Cruise speed	30 m/s
Full load fuel consumption	4L/h
Maximum range	810 km
Practical ceiling	5000m
Usage temperature	-20℃-45℃
Wind resistance level	Level 5 takeoff and landing/Level 6 flight
Packaging size	3050*800*950 mm
Body protection level	IPX4