

IPET I5 Long-Endurance Integrated Propulsion System

Technical Specifications Reference

System Specs

Parameter	Value
Model No.	I5 KV135
Setup	I5 (Motor) + 8S FOC 20A (ESC) + I24 (Prop)
Recommended battery	6~8S (LiPo)
Rated thrust	1~1.5kg
Efficiency at rated thrust	13.3g/W (1.3kg)
Max. thrust	4.2kg
Tube size	25mm
Wire length	460 ± 5 mm (Power Cable) / 595 ± 5 mm (Signal Cable)
Weight	350±2%g (Incl. wires+prop)
IP	IP46
Recommended ambient temperature	-30~65℃

Motor Specs

Parameter	Value
Stator size	66*7.5mm
KV	135

ESC Specs

Parameter	Value
Throttle range	1040~1940us (Fixed)
Protocol	DroneCAN, UAVCAN
Control method	PWM/CAN
Max. voltage	36V
Peak current (for a short time)	20A (Open environment and temperature ≤60℃)
BEC	NO

Prop Specs

Parameter	Value
Model No.	I24 (Integrated carbon fibre propeller)
Length	24 Inch (614mm)

Technical Drawing

