



EOS-Skylle 2 waterproof design – Firefighting/Transport drone

One-piece carbon fibre body: Ensures high strength and light weight, making the drone durable and easy to carry.

80 minutes' flight time without payload: Provides extended flight time for longer missions without a payload.

IP54 waterproof rating: Protects the drone from light rain, ensuring it can operate in a variety of weather conditions.

20 km mapping range: Enables long-range operations, suitable for surveying and inspecting large areas.

The Skylle2 utilises an aerospace-grade carbon fibre monocoque moulding process, enabling it to withstand harsh operating environments; rapid

Design featuring detachable arms and landing gear, offering rapid deployment and enhanced portability; integrated modular main avionics, multiple modular interfaces, compatible with a variety of peripheral interfaces, capable of being fitted with auxiliary flight devices such as 4G/5G, RTK, dual-channel mapping, on-board computer, etc., and supporting the subsequent addition of upgraded accessories to enable seamless iterative upgrades; multi-mount interface, compatible with our standardised payload, to meet most industrial application requirements; dual-redundant smart battery design, providing a safer flight experience.

Advantages

- * The carbon fibre shell is used to ensure high strength whilst remaining lightweight, and is resistant to light rain and other elements.

Features.

- * Plug-in arm design for quick disassembly and assembly whilst reducing packaging size.
- * Ground stations enable one-click route planning for autonomous missions and support guided flights from the ground station.
- * Featuring high-density lithium batteries with a high-efficiency power system, flight time on a single charge can exceed one hour...
- * Multi-gimbal platform: up to five gimbals can be fitted simultaneously to meet the needs of a wider range of scenarios.

Brand	MMC
Model	EOS_Skylle2
Material	Carbon fibre, aluminium and magnesium alloy, engineering plastics
Wheelbases	1650 mm
Packaging dimensions	(Fuselage) 820 × 750 × 590 mm, (Wings) 1090 × 450 × 350 mm
Max. unfolded dimensions	2190 × 2415 × 560 mm (with pallet)
Fuselage weight	9.15 kg (excluding battery and mount)
Empty weight	18.2 kg
Max. payload	10 kg
Operating time	80 mins unladen; 60 mins at 1 kg; 55 mins at 3 kg; 48 mins @ 5 kg; 40 mins @ 8 kg; 36 mins @ 10 kg;
Automatic obstacle avoidance function	360° omnidirectional obstacle avoidance (horizontal)
Maximum wind resistance	12 m/s (Class 6)
Image transmission frequency	2.4 GHz
Encryption method	AES256
Mapping range	20 km
Operating temperature	-20°C–60°C
Operating humidity	10% to 90% non-condensing
Protection rating	IP54
Electromagnetic interference	100 A/m (power-frequency magnetic field)
Altitude limit	5000 m
Cruising speed	0–15 m/s
Max. flight speed	18 m/s
Max. climb rate	Default 3 m/s (max. 5 m/s)
Max. descent speed	Default 2 m/s (max. 3 m/s)
Smart battery	22,000 mAh × 2





Secure Protection

To address harsh environments in industrial applications, structural and process designs feature structural sealing with secondary potting compound sealing for excellent waterproof performance. The motor uses a bearing system seal, allowing direct flushing and maintenance in practical use, ensuring safe, reliable operation and easy maintenance.



Efficient Cooling

T-series classic centrifugal air-cooled system with built-in high-efficiency heat sink array. Large-area heat sinks with rotor flow field further enhance cooling efficiency. Excellent heat dissipation ensures system reliability, handling continuous operation even in high temperatures.



Powerful Motor

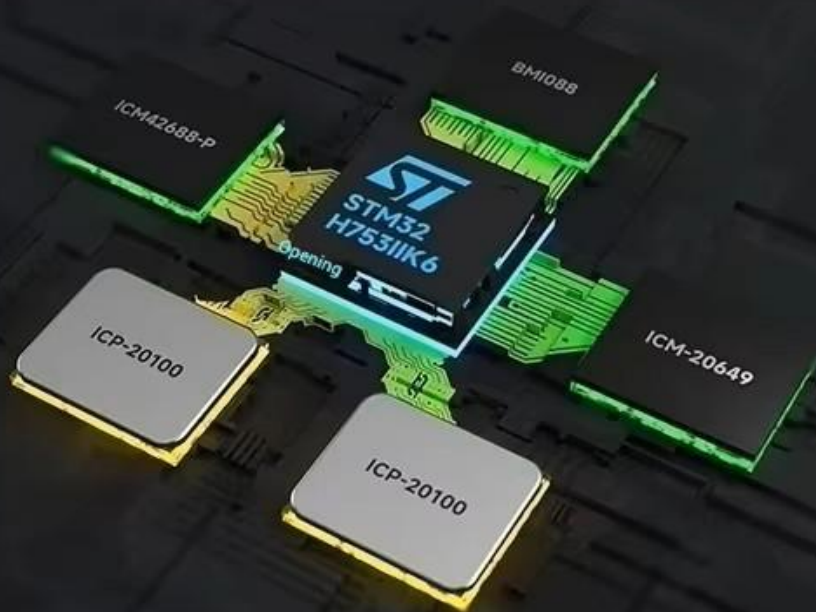
Propeller made of UltraCarbonPro special carbon fiber composite, extremely lightweight with excellent strength and stiffness. Aerodynamic design, combined with co-optimized motor electromagnetic design, delivers higher efficiency, faster response, and longer flight time.



Industry-level flight control system

Multiple Redundancy Design Ensure flight safety

Triple redundant IMU and dual redundant barometer design, when one IMU fails, the system seamlessly switches to another reliable IMU for safer flight



Additional Payloads

Meeting the needs of different scenarios



30x Optical Zoom
Module



Dual Thermal
Imaging Module



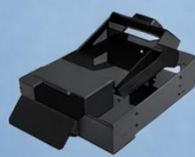
Visible Light and Infrared
Distance Measurement Module



Four-Sensor PTZ Tracking
and Distance Measurement Module



Loudspeaker and
Lighting Module



Leaflet Distribution
Module



Interception Net
Launcher Module



Smoke Grenade
Launcher Module



Maximum
Versatility



Enhanced
Security



Quick
Installation



Lightweight and
Compact Design



Compatible with
Various Scenarios



Operational
Reliability

Application Scenario



City Firefighting



Forest Fire Fighting



Material
Transportation



Counter-Terrorism
Drills



Firefighting Drills



Military drill