



SCHIEBEL
CAMCOPTER® S-300



Ultimate flexibility due to multiple payload capability

THE NEW DIMENSION

With many years of experience in the global unmanned rotary UAS market, Schiebel recognised the gap for a heavy-lift-capable Unmanned Air System (UAS) with extended range and enhanced payload capacity. Continuous development of the S-100 combined with unrivalled operational experience provide the perfect foundation for a new rotary UAS to meet these requirements. The result is the new CAMCOPTER® S-300, a breakthrough Vertical Take-off and Landing (VTOL) UAS, which provides an affordable, operationally flexible, persistent, heavy-lift solution for both the land and maritime domains.

Backed by an industry-leading approach to airworthiness and safety, Schiebel ensures that the S-300 is the complete unmanned asset for civil, governmental and military organisations, with a focus on providing even greater operational flexibility and capability for maritime and land Intelligence, Surveillance and Reconnaissance (ISR) operations. Significantly, for the maritime domain, the S-300 is able to carry a multi-mode surveillance radar that provides second-generation Active Electronically Scanned Array (AESA) surveillance capability, comparable to the best radars currently employed on manned rotary platforms.

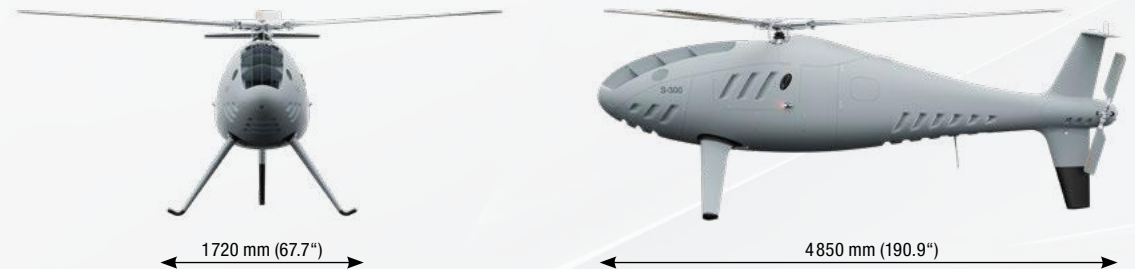
CAMCOPTER® S-300
UNMANNED AIR SYSTEM

CAMCOPTER® S-300

The CAMCOPTER® S-300 UAS is ideal for shipborne and austere land based operations. Its multiple hard points design enables flexible payload installation and cargo-carrying up to 250 kg (551 lb).

A triple-blade folding rotor system allows the storage of two S-300 UAVs and one Ground Control Station (GCS) in a standard 20-ft container. With no need for launch or recovery equipment, the S-300 offers a minimal footprint and can easily be manoeuvred for launch, stowed and maintained in confined spaces or in ships' hangars. It is powered by a heavy fuel aviation engine, compliant with the NATO single-fuel policy (Jet A-1, JP-8 and JP-5). The innovative design of the CAMCOPTER® UAS family allows the new S-300 to be controlled by the same proven Ground Control Station used for the lighter CAMCOPTER® S-100, a solution optimised to ensure maximum mission versatility and cost effectiveness. Due to the commonality, S-100 users can seamlessly transition to operate the S-300, with minimal additional operator training.

Schiebel's CAMCOPTER® S-300 and the S-100 offer UAS solutions for all customer requirements and will continue to ensure the company's leading role in the unmanned air system evolution far into the future.



Triple-blade rotor with folding system

TECHNICAL DATA

Payload power supply:	3000 W @ 28 V DC	Payload capacity (incl. fuel):	350 kg (770 lb)
Data link range:	Up to 200 km (108 nm) available	MTO weight:	700 kg (1545 lb)
Maximum airspeed (V_{NE}):	120 kts (220 km/h) IAS	Empty weight:	Approximately 320 kg (705 lb)
Dash speed:	100 kts (185 km/h) IAS	Dimensions:	4850 mm (190.9") length
Cruise speed:	55 kts (100 km/h) for maximum endurance		1890 mm (74.4") height
Service ceiling:	21 000 ft (6400 m) in ISA conditions @ reduced GW		900 mm (35.4") width (body)
Airframe loading:	+3,5 g and -1,0 g rated		1720 mm (67.7") (landing gear)
Operating temperature:	-40°C to +55°C	Main rotor diameter:	5300 mm (208.7")
Takeoff & landing:	Up to 25 kts (46 km/h) wind and Sea State 5	Fuel (internal tank):	300 l
BLOS SATCOM options:	Available	Endurance:	Up to 24 hours with 50 kg (110 lb) payload, typically 6 hours with 250 kg (551 lb) payload



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