

Patria

Patria ONE

Tactical Unmanned Aerial System



DEFENCE AND WEAPON SYSTEMS

The UAS is designed, tested and built in Finland. The manufacturing and maintenance process have been inspected and approved by the Finnish authorities.

Patria ONE - New tactical multipurpose UAS

- Designed, tested and manufactured in Finland
- Modular; swapable radio, swapable payloads (including explosives), swapable motor arms
- Operator safety for explosive payloads (3 step safety system)
- Easy transport, can be fitted in tactical backpack
- Manufacturing capability tens of thousands units per year, inexpensive when produced in large quantities
- Tactical operation: flying to target, detonation above, payload release

Technical specifications

Empty weight	2.0 kg (without payload and battery)
Battery weight	0,8 kg
MTOW	7 kg
Max payload weight	4 kg
Dimensions (L x W x H)	62 x 62 x 31 cm (without propellers)
Diameter with propellers	124,5 cm
Operating temperature	-30°C - +40°C
Assembly time	2 min
Flight time (MTOW)	Max 14 min
Range (MTOW)	Max 7,5 km
Range (1,5 kg)	10 km
Max wind conditions	15 m/s
Max speed	24 m/s
Radio controller	Patria Drones SkyControl Can be reused and bound with multiple OW-systems
Radio specifications	Encryption: AES 128/256-bit Transmission power: Up to 2000 mW Frequency: multiple options Mesh option
IMU	Redundant
GNSS	GPS + GLONASS + GALILEO + BEIDOU
Flight modes	Atti, GPS, Mission
Propellers	18" carbon fiber propellers with quick mounts
Flight camera	Tilt: yes
Flight case / Power pack	External dimensions (L x W x H): 520 x 350 x 210 mm IP65
Explosive payloads	Can be integrated
Explosion safety	3-step safety mechanism



Patria - Extreme conditions embedded.

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When it is not an option.

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