

Patria ONE

Tactical Unmanned Aerial System – Built for the mission.
Ready for the moment.



DEFENCE AND WEAPON SYSTEMS

Patria ONE is a versatile, Finnish-designed strike UAV built around a modular architecture, combining components from trusted suppliers with Patria's proprietary software. Designed to meet high Western safety and certification standards, it offers a cost-effective solution optimized for scalable mass production.

Patria ONE supports a wide range of tactical missions. It can be equipped with various effectors, conduct precision payload delivery. This flexibility suits the diverse operational needs of modern Western armed forces.

Patria ONE delivers an effective, safe, and rapidly deployable strike capability that significantly shortens the time from detection to impact. It provides a scalable and secure solution designed to meet the demands of modern battlefields, supporting both current mission needs and future capability growth.

The system incorporates key mission functions required today, with additional capabilities under active development. Patria ONE features a patented three step Safe and Arm system for tactical payloads, ensuring reliable operation without compromising safety. This makes it a dependable tool for operators in both training environments and real world operations.

Patria's certified production setup enables genuine large scale manufacturing, ensuring availability for programmes involving thousands of units. Customers benefit from predictable delivery schedules, consistent product quality, and a long term platform designed for continuous evolution.

Patria ONE is a modular tactical UAV optimized for high tempo defence operations. Its core architecture supports controlled kinetic strike, and payload delivery missions on a single adaptable platform. This modularity allows units to rapidly reconfigure the system and operate efficiently using one unified solution across multiple mission profiles.

Key features

- Designed, tested and manufactured in Finland
- Modular, swapable radio, swapable payloads, swappable motor arms, up to 8S batteries
- Operator safety for explosive payloads (3 step safety system)
- Easy transport, can be fitted in tactical backpack
- Manufacturing capability thousands of units per year, inexpensive when produced in large quantities
- Tactical operation: flying to target, detonation above, payload release

Patria ONE platform key specifications

- Empty weight 2.0 kg
- MTOW 7 kg (9 kg with XL kit)
- Max payload weight 4 kg (5 kg with XL kit)
- 3 step SAD (safe and arm device)
- 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
- Flight time up to 60min (3,8 kg payload), up to 120 min (empty)
- Range up to 25 km (3,8 kg payload), up to 55 km (empty)
- Max wind conditions 15 m/s for takeoff and landing
- Max speed 24 m/s
- Can be operated in GNSS denied environment
- Flight modes Atti, GPS, Mission
- Propellers 18" carbon fiber propellers with quick mounts
- Automatic camera tilt
- Tactical payload detonated with electric detonator
- New tactical payloads can be integrated

SkyControl GCS key specifications

- GCS with 7" 750 cd/m² screen providing essential telemetry, map and live video
- Designed to be usable with gloves on
- IP 65 rated
- Designed according to MIL-STD-810G
- All critical flight functions designed for physical
- Battery hot swap

Radio key specifications

- Encryption AES 128/256-bit
- External radio for operation safety or operation from inside vehicle
- Radio frequency lists can be provided to the end user
- IP-based network provides multiple radio options
- Also available with EU unlicensed frequencies
- Transmission power adjustment 100 mW (standard) - 1600 mW
- Range up to 15 km (radio line of sight)
- Video Streaming over network

Flight case / Power pack external dimensions

- L x W x H: 520 x 350 x 210 mm
- IP65