



Gorgon X8

Unmanned System for Ammunition Drop and Reconnaissance

Gorgon X8 drone is used for ammunition drop and reconnaissance. Its key features are advanced localization and navigation capabilities supported by antijamming and antispoofing modules combined with a resilient and robust communication system. The system is designed for easy transport and rapid deployment using a foldable frame and antenna mast. Protection of the operator is increased by the decoupling of radios from the ground control station. The drone allows a modular payload combining different ammunition or other cargo types, e.g. supplies, and medical kits.

Key Features

- ✦ Improved resilience against electronic warfare systems
- ✦ Rugged design for deployment in harsh conditions
- ✦ Autopilot for autonomous missions and complex failsafe mechanisms
- ✦ Modular payload mounting and ammunition drop system
- ✦ Horizontal ammunition mounting for optimal flight characteristics
- ✦ Foldable body for easy transport and fast deployment
- ✦ Transportable in a small vehicle
- ✦ UAS operator and maintenance training program

Onboard Equipment

- ✦ Robust localization and navigation system with antijamming and antispoofing capabilities
- ✦ EW protected digital communication system for C2 and video
- ✦ EO/IR camera with 10x optical zoom for reconnaissance and targeting
- ✦ Optional external localization system
- ✦ Optional pilot view camera

Ground segment

- ✦ Separation of UAS operator from radio signal sources
- ✦ Durable GCS design for harsh conditions
- ✦ Custom telemetry, map view and video streams from EO/IR cameras
- ✦ Fast deployable lightweight antenna mast
- ✦ High-gain sector or tracking antennas

Customization

- ✦ Highly modular system, various payload options, e.g. LiDARs, multispectral cameras, RF spectrum analyzers
- ✦ Possible integration of customer demanded localization, communication, and EO/IR equipment
- ✦ Specific customization based on customer's requirements

DIMENSIONS

Operational	100 x 95 x 31 cm
Transport	67 x 62 x 31 cm
Diagonal wheelbase	132 cm

WEIGHT

Drone with batteries	13 kg
MTOW	25 kg
Max. payload	12 kg

SPEED

Max. horizontal	15 m/s
Ascend	5 m/s
Descend	3 m/s
Service ceiling above sea level	3.500 m
Operational altitude	300 m
Max. wind resistance	7 m/s

FLIGHT TIME

Base load (TOW 13 kg)	60 min
Operational load (TOW 22 kg)	25 min
Tactical radius	8 km
Flight preparation	10 min

BATTERIES

Charge time (0 - 100 %)	90 min
Charge time (20 - 90 %)	45 min
Capacity	30 Ah
Temperature	
Charging / operational	-20°C to 50°C
Ideal storage	20 °C to 30 °C

REMOTE CONTROL

Operation time	3 h
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Control Touch screen, push/toggle buttons, joysticks