# SHAR COMMUNICATION RANGE FOR DAY & NIGHT MISSIONS

The Mini Shark 2025 is the evolved version of our smallest fixed-wing system. It incorporates field-tested improvements for longer endurance, greater range, and enhanced durability. Compact yet powerful, it delivers reliable reconnaissance where speed and adaptability are critical.



# **Boosted Performance**

Extended endurance gives crews more time and range. The new power system sustains flight and communications together without trade-offs. Missions can go deeper and last longer with confidence.



# **Enhanced Connectivity**

Built for contested skies, the comms suite resists jamming, spoofing, and interception. Operators retain secure video, stable control, and continuous intel flow.



# **Versatile Operations**

The upgraded sensor enables seamless 360° coverage. Targets are tracked instantly without altering course, keeping the system effective in fluid conditions, day or night.



# Rapid Deployment and Mobility

Launch in minutes with one operator, recover by automatic belly landing and no extra gear. The modular backpack lowers weight, so crews move lighter, set up faster, and can work longer.

## **MOBILE CONTROL STATION**

Based on Mini Shark combat experience, all components were redesigned to be lighter, more ergonomic, and fully integrated — improving crew comfort, reducing cognitive load, and enhancing mission safety under stress.

### **AT-MICRO ANTENNA**

- > Automated antenna alignment, no manual adjustment
- → Continuous UAV tracking with real-time correction
- > Jam-resistant datalink with a range of up to 45 km

### **UNIVERSAL MOBILE BATTERY**

- → Up to 10 hours of autonomous ground station operation
- → 3 × LAN ports for local network and mission systems
- → 2 × 20 V outputs (150 W total) for GCS or auxiliary devices
- Charging from mains power or vehicle socket

The upgraded software makes Mini Shark more automated and operatorfriendly in combat conditions:

**UAV CC SOFTWARE** 

- Live video retransmission to HQ, other command posts, or cloud storage
- Automatic antenna geolocation within UAV CC
- Integration with GIS and KML files (incl. Google Earth)
- > Flight indicators: radio horizon, remaining endurance, contrast adjustments
- > Remote firmware and software updates for the UAV

5 min

QUICK ASSEMBLY

**Day/Night Sensors** 360° ROTATION

A new lightweight carbon-fiber mast reduces overall system weight and simplifies transport and deployment.

# **BACKPACK 2.0: COMPACT & ERGONOMIC**

Improved ergonomics, a smaller form factor, and a detachable bag make the upgraded backpack mission-ready and more flexible than ever.

Hand launch and automatic belly landing



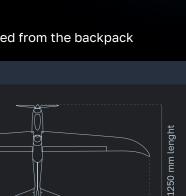
### **BACKPACK 1:**

2 Mini Shark UAVs with USG-261 camera systems

### BACKPACK 2:

- Mobile control station
- **UAV** batteries
- Spare parts, tools and accessories

The bag can be detached from the backpack



**TECHNICAL DETAILS:** 

Takeoff and landing

Up to 3.5 hrs Endurance Communication range Up to 45 km Max flight altitude 7000 m Flight route Up to 220 km мтоw 5.5 kg 60 km/h Cruise speed Max flight speed 120 km/h

2600 mm wingspan ukrspecsystems.com