



TARGET DRONES · AERIAL TARGET DRONE, JET

Hadaf II

High-speed jet target for LOMAD and HIMAD evaluation, up to 110 m/s.

MISSION ROLE	RANGE	ENDURANCE	PAYLOAD	LAUNCH	RECOVERY
LOMAD / HIMAD evaluation target	20 km	30 min	IR flares / Luneburg lens	Catapult launch	Parachute recovery, reusable

SYSTEM OVERVIEW

Hadaf-II is a jet-powered aerial target drone engineered to support LOMAD (Low-to-Medium Altitude Defense) and HIMAD (High-to-Medium Altitude Defense) weapon-system testing and live-fire evaluation. Designed to replicate high-speed airborne threats, it provides a realistic and demanding target environment for modern air-defense forces.

With a maximum speed of up to 110 m/s, a ceiling of ~5,000 m, and ~30 minutes of endurance, Hadaf-II delivers an extended, versatile engagement envelope, enabling fast-ingress profiles, medium-altitude interception scenarios, and sustained tracking engagements with high- and low-RCS signature options.

TECHNICAL SPECIFICATIONS

Performance

Speed	110 m/s
Range	20 km
Altitude	5,000 m
Endurance	30 min
Propulsion	Jet

Physical

Wingspan	1.8 m
Length	2.5 m
Weight	13 kg

Payload & Operability

Enhancers	IR flares / Luneburg lens
Flight phase	GNSS guided
Wind / Sea state	10–15 knots / Level 3
Temperature	–10 °C to 55 °C

KEY CAPABILITIES

- Jet-powered, up to 110 m/s
 - Ceiling up to 5,000 m, 30 min endurance
 - High- and low-RCS radar signature options
- IR flares / Luneburg lens enhancers
 - Precision trajectory simulation
 - Reusable and cost-effective