



IAI / MALAT OFFERS ITS NAVAL ROTARY UNMANNED AIR VEHICLE (NRUAV) SYSTEM



THE MALAT SOLUTION FOR MARITIME MULTI-LAYERED ISR MISSION

Main Features and Capabilities:

- MALAT made Helicopter Modification Suite (HeMoS) for existing, proven, manned naval VTOL platforms
- Automatic Vertical Take-Off and Landing (AVTOL) from dynamic (naval) platform
- Real-time intelligence battle and damage assessment
- Day, night, adverse weather Over The Horizon Targeting (OTHT)
- Flexible multi-sensor suite with extended carrying capabilities



NRUAV - NAVAL ROTARY UAV SYSTEM FOR SHIP DECK

Mission Payloads

■ Multi Mode Radar

- | Sea Surveillance (SS)
- | Long Range Surveillance, Anti-Submarine Warfare
- | Moving Target Indicator (MTI)
- | Air-to-Air Mode (AA)
- | Navigation and Weather Avoidance (NAW)
- | SAR
- | ISAR
- | Range Signature (RS)
- | Integration with AIS (optional)

■ E/O

- | Operating in day, night and adverse weather conditions
- | Automatic tracking by lock-on target
- | Slaved to external angular or coordinates reference
- | Target range measurement

■ COMINT/DF

- | Accurate DF measurement by interferometer technique
- | Accurate measurement of communication signal parameters
- | Accurate emitter classification and geo-location

■ ESM

- | Long range automatic detection and identification of emitting targets
- | Emitting target's geo-location



Technical Data (for the present configuration)

- Maximum Take Off Weight (MTOW) - 2200 kg / 4840 lb
- Maximum mission payload weight - 220 kg / 484 lb
- Main rotor diameter - 11.02 m / 36.15 ft
- Tail rotor diameter - 1.91 m / 6.27 ft
- Length (without payloads):
 - | Overall, rotor's turning - 12.84 m / 42.12 ft
 - | Fuselage, tail rotor turning - 10.17 m / 33.36 ft
- Width (without payloads, blades folded) - 2.6 m / 8.53 ft
- Height to top of rotor head - 2.97 m / 9.75 ft

Performance

- Endurance - 6 hours
- Ceiling - 15000 ft
- Loiter speed - 60 Knots
- Max speed - 100 Knots



Israel Aerospace Industries
MALAT Division

www.iai.co.il/malat
malat@iai.co.il