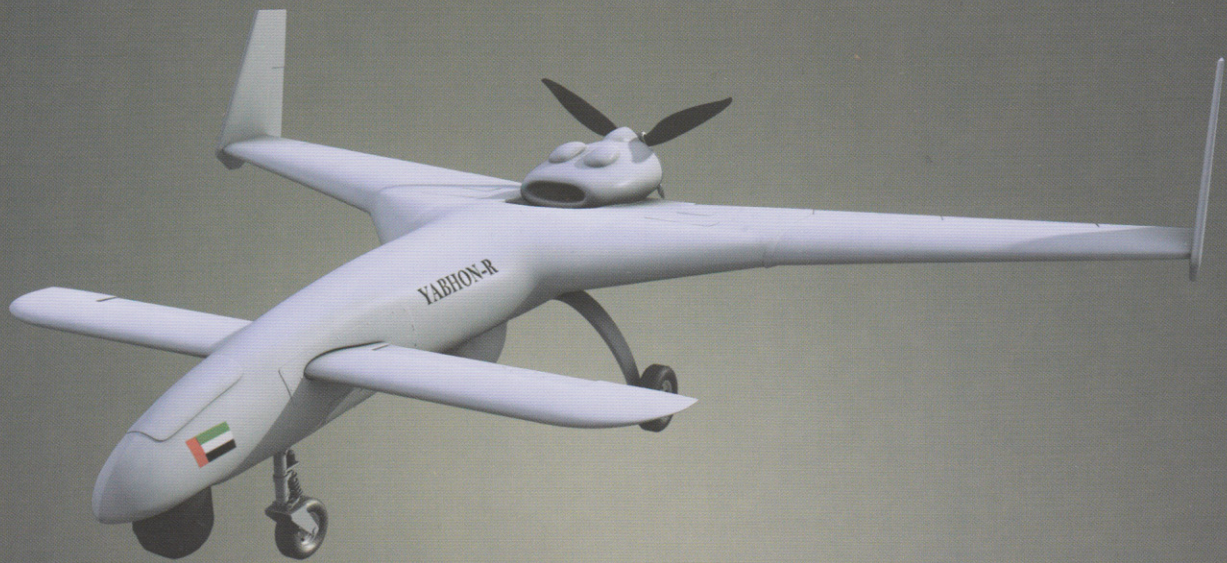


YABHON-R



Overview

YABHON-R is a Medium Altitude Long Endurance (MALE) UAV, designed and manufactured by ADCOM Systems for tactical missions including real time day and night reconnaissance and surveillance, search and rescue, border surveillance, remote area monitoring and other similar missions.

YABHON-R is designed for short take off and landing using a semi-prepared short runway. It can land on wheels or by emergency parachute system.

Specifications

• Wingspan	6.5 m	21.3 ft
• Length	5.0 m	16.4 ft
• Height	2.0 m	6.5 ft
• Total lifting area	8.0 m ²	86.ft ²
• Fuselage length	4.0 m	13.1 ft
• Empty weight	270 kg	595 lb
• Max. take-off weight	570 kg	1257 lb
• Payload weight	60-210 kg	132-463 lb
• Fuel tank capacity	240 lt	53 gallon
• Power	80/100 hp	

Features

- Fully autonomous operation with ADCOM 3D FCU system for auto Navigation
- Mission pre-planning capability, online mission profile update and recording
- Wide range of payload sensors including IR, thermal imager, LDRF, and EO sensors
- Retractable, steerable nose wheel for optimal operation
- Capability to update third party SAR (Synthetic Aperture Radar)

Flight Performance

• Stall speed	92 km/h	[25 m/s]	50 kt
• Cruise speed	120-240 km/h	[33-66 m/s]	65-130 kt
• Endurance	22 hrs		
• Ceiling	6700 m		22,000 ft

Payload

Wide range of payload sensors including:

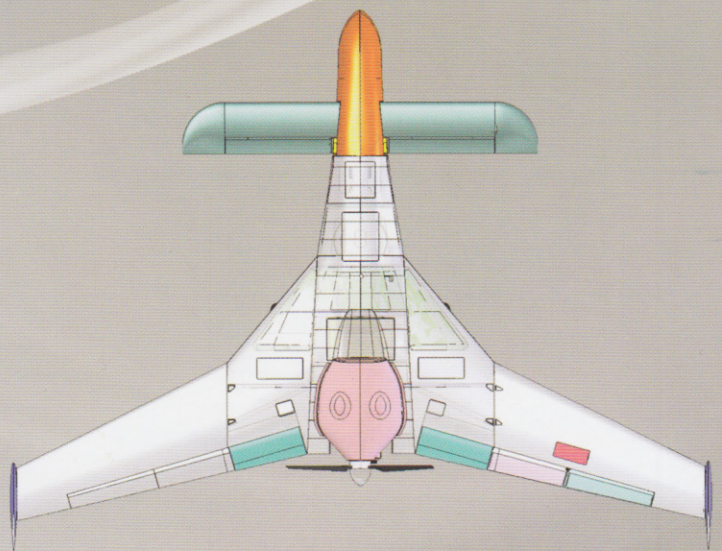
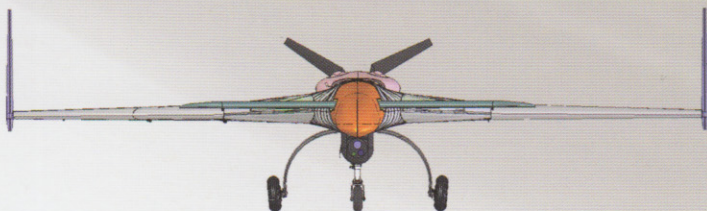
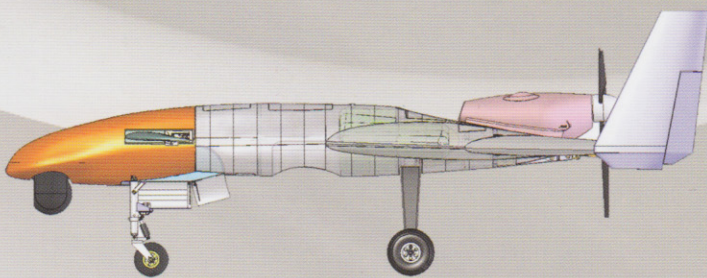
- IR
- Thermal imager
- LDRF
- EO sensors



YABHON-R



YABHON-R	
Length	1.5 m
Wing Span	2.0 m
Wing Area	2.0 m ²
Empty Weight	200 kg
Max. Take-off Weight	250 kg
Max. Cruise Speed	80-100 km/h
Max. Altitude	10000 m
Endurance	20 hrs





Uwe W. Jack

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