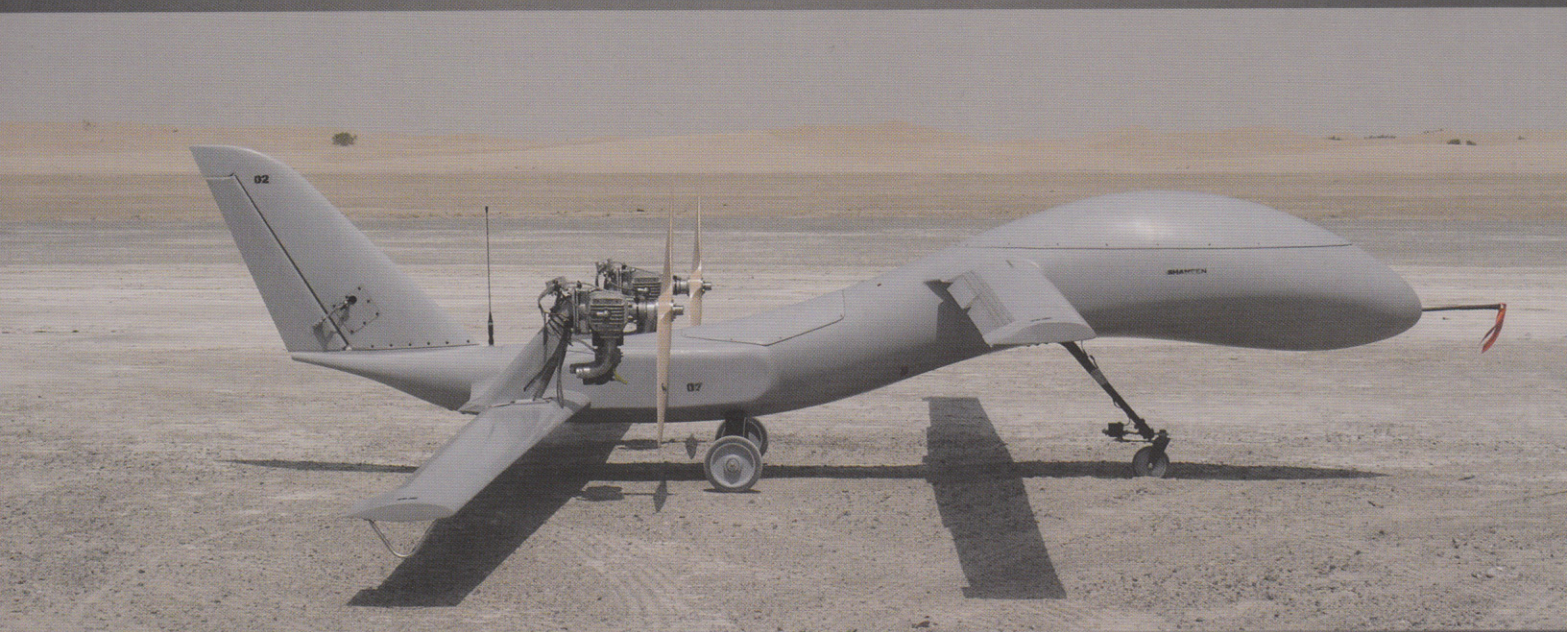


# YABHON-SMART EYE 1



## Overview

SMART EYE 1 is a high performance UAV optimized for efficient cruise with high aspect-ratio wings and laminar airfoils.

The flying qualities are superb; it is very stable, good turbulence resistance and docile stall.

Climb is excellent, even at a high angle of attack.

Due to the small dimension it can be used as tactical UAV."

## Specifications

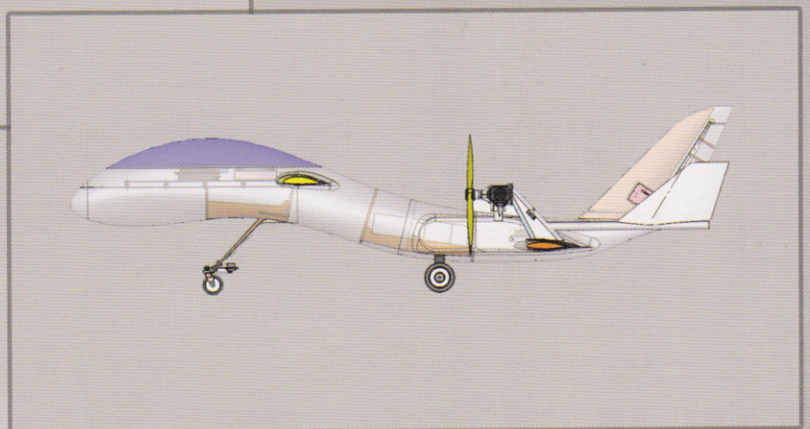
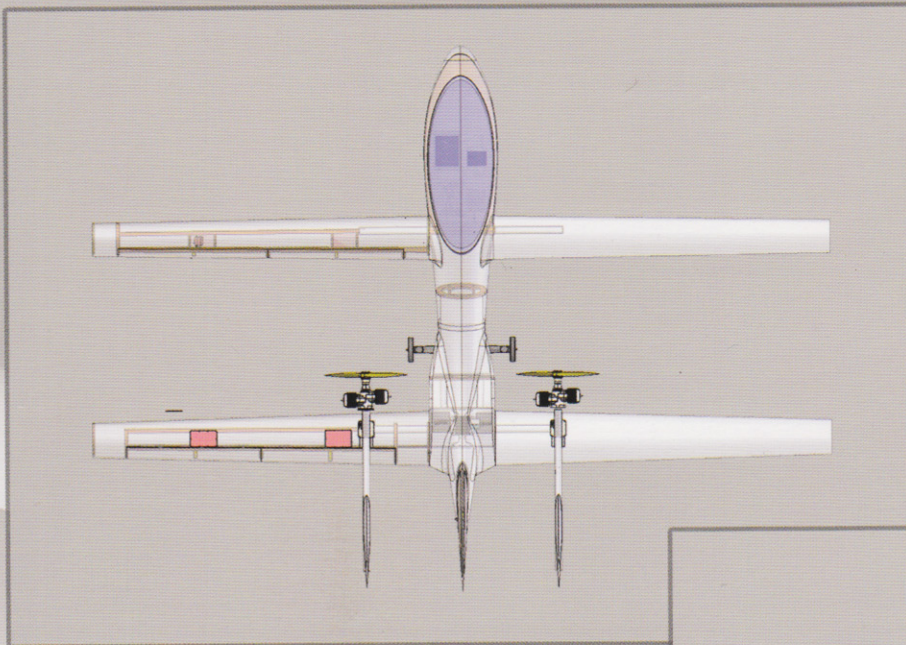
• Wingspan	4.4 m	14.4 ft
• Length	3.26 m	10.7 ft
• Height	0.9 m	2.95 ft
• Total lifting area	2.4 m <sup>2</sup>	25.83 ft <sup>2</sup>
• Fuselage length	3.0 m	9.84 ft
• Empty weight	50 kg	110 lb
• Max. take-off weight	100 kg	220 lb
• Payload weight	20-40 kg	44-88 lb
• Fuel tank capacity	20 lt	5.2 gallon

## Flight Performance

• Stall speed	70 km/h	[19 m/s]	37 kt
• Cruise speed	150 km/h	[41 m/s]	80 kt
• Endurance	2 hrs		
• Ceiling	3000 m		9,800 ft
• Power	2 x 17 hp		



# YABHON-SMART EYE 1





Uwe W. Jack

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