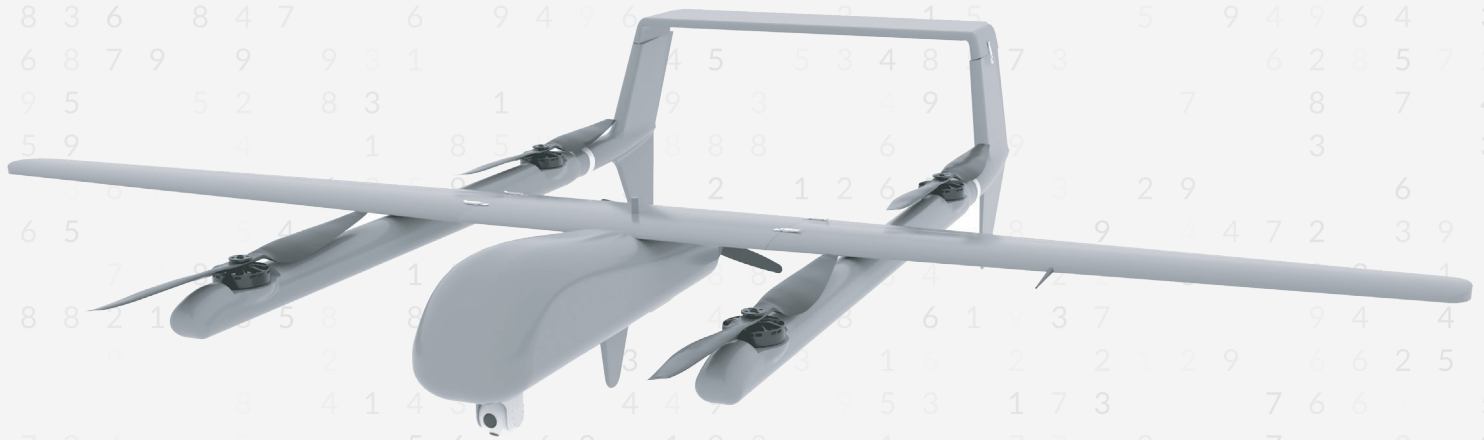




# HELANG

## Ascend Higher, Reach Beyond

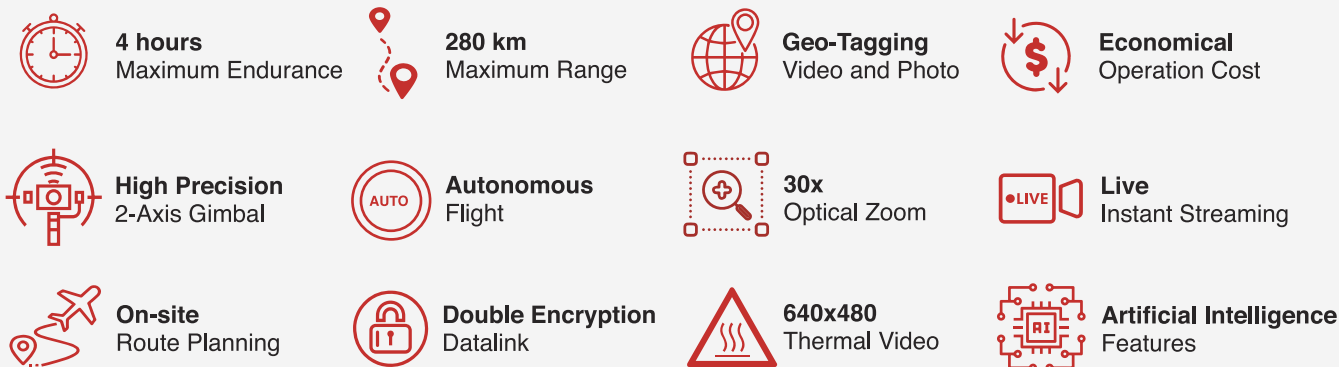
Designed to meet the needs and requirements in the defense industry, HELANG provides aerial solution for multi-mission such as commercial, professional and military operation. Its functions include surveillance, monitoring, reconnaissance and data collection to the Ground Control Station.



### About Mindmatics

Mindmatics Sdn. Bhd. specializes in providing comprehensive range of solutions in IT, computing and electronics. The strength of Mindmatics lies in the seamless synergy of solid technology-based design team with experienced R&D engineers. A host of homegrown innovations to fit the modern 'Command, Control, Communications, Computers, Intelligence, Surveillance, Reconnaissance and Targeting (C4ISRT)' needs with almost 20 years of experience in the industry, boasting our original, localized and tailored solutions, we strive to meet all defined requirements and beyond.

## Key Features



## Technical Specification

Aircraft VFE 3500-IU	
Dimension, mm	3500 x 1900 x 700
Weight Without Payload, kg	19
Max Take Off Weight, kg	22
Max Payload Weight, kg	3
Battery	Solid State Li-ion 50.4V
Capacity, mAh	46000
Operational Time	3-4h
Max Flight Route, km	280
Operational Radius, km	30 (Upgradable to 150)
Horizontal Speed, km/h	80-110
Stall Speed, km/h	50
Wind Resistance, km/h	62-74
Ground Control Station	
Dimension, mm	828 x 467 x 280
Weight, kg	16
Power	Support External Supply
Battery	Li-ion 21V
Capacity, mAh	16000
CPU	Processor : AMD Ryzen 5 RAM : 16 GB Storage : 500 GB SSD
I/O	Keyboard/Trackpad USB Port Antenna Tracker GPS Screen Mirroring
Display	Dual 13 inch screen 7 inch screen
Brightness	1000 knits
Connection	4G LTE, Wi-Fi, IP-based
Operational Frequency	915 MHz, 1.3 GHz
Control	Aircraft : HOTAS Gimbal : Stick
Encryption	Double layer SHA1, SHA256, SSTP, Advance Encryption

Payloads EO/IR 30x Optical Zoom and Thermal Infrared Camera	
Dimension, mm	195 x 127 x 122
Weight, kg	1.18
Gimbal	Dual Axis Gyro; Mechanical Stabilization 0.01°; External Tracking Module
Visible Light	30x Optical Zoom; Focal Length 4.3mm to 129.0mm; F1.6 to F4.7, FHD, 1080P@60fps
Infrared	Focal Length 20mm, F1.0, Uncooled Infrared Focal Plane, Pixel 640x480
Working Voltage, V	11.1 – 16.8
Power Consumption	10W

