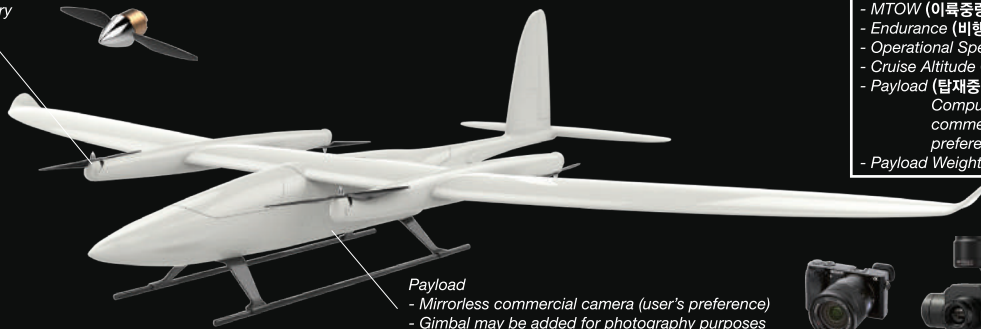


Vertical Take-off and Landing (VTOL) Version

Propulsion System

- Electric motors
- Li-Po Battery



Product Specifications (제품 제원)

- Wing Span (날개폭): 2.2 m
- Length (동체길이): 1.4 m
- MTOW (이륙중량): 4.2 kg
- Endurance (비행시간): 40-60 mins
- Operational Speed (운용속도): 15 m/s
- Cruise Altitude (운용고도): 150-200 m
- Payload (탑재중량): Flight Control Computer (FCC) + Mirrorless commercial camera (user's preference)
- Payload Weight : 1 kg

Payload

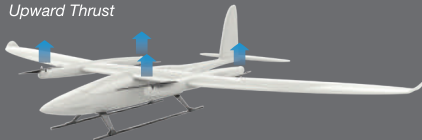
- Mirrorless commercial camera (user's preference)
- Gimbal may be added for photography purposes



Mapping Use

Photography Use

Upward Thrust



Tilt-rotors

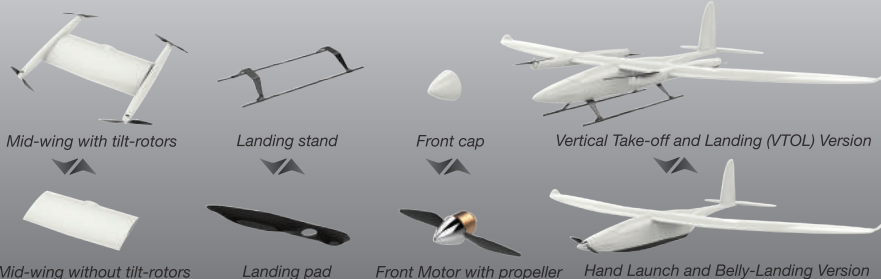
Tilt-rotors provide upward thrust for vertical take-off and landing in limited landing areas. Front two rotors tilt forward to provide forward thrust during horizontal flight.

Forward Thrust



Modular Design

VTOL version can be converted into hand launched version by replacing the mid-wing with tilt-rotors, landing stand and front cap. These are replaced with mid-wing without tilt-rotors, landing pad and front motor with propeller. Hand launched version can be converted to VTOL version by replacing the components vice-versa.



Mid-wing with tilt-rotors

Landing stand

Front cap

Vertical Take-off and Landing (VTOL) Version

Mid-wing without tilt-rotors

Landing pad

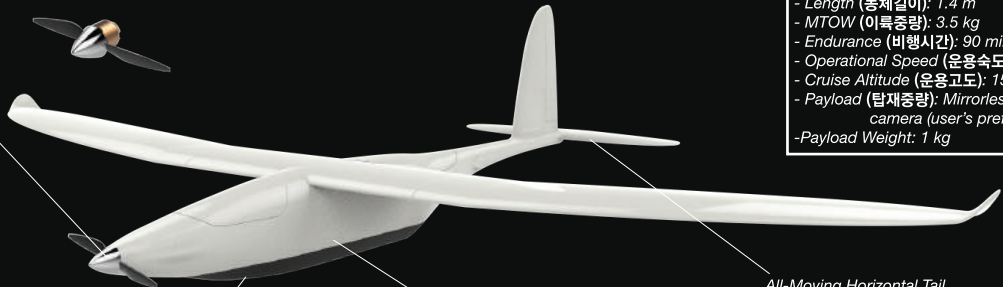
Front Motor with propeller

Hand Launch and Belly-Landing Version

Hand Launch and Belly Landing Version

Propulsion System

- Electric motors
- Li-Po Battery



- Product Specifications (제품 제원)**
- Wing Span (날개폭): 2.2 m
 - Length (동체길이): 1.4 m
 - MTOW (이륙중량): 3.5 kg
 - Endurance (비행시간): 90 mins
 - Operational Speed (운용속도): 13 m/s
 - Cruise Altitude (운용고도): 150-200 m
 - Payload (탑재중량): Mirrorless commercial camera (user's preference)
 - Payload Weight: 1 kg

Foam Landing Pad

- Foam landing pad is made from a material which light and has excellent properties that will provide protection to sensors and other components of the aircraft during stall landing or belly landing



Payload

- Mirrorless commercial camera (user's preference)



All-Moving Horizontal Tail

- All-moving horizontal tail is a special feature that help provide the aircraft with stall landing capability



Three Modes of Communication between the ground and aircraft:

- Radio Telemetry (915MHz):**
Flight data communication & flight control during manual and autonomous flight modes
- Radio Frequency (2.4GHz):**
Flight control during manual and emergency flight modes
- LTE (4G):**
Flight data communication & flight control during long-range mission segment, autonomous and emergency flight modes

