



MA Tactical Ninja WingCopter

TANDEM VERSATILE HYBRID VTOL-CRUISER

Tandem wing design for enhanced aerodynamic performance while preserving wing span of 1 m for each wing. Hybrid propulsion design with 4 electric motors for VTOL and 1 cruise electric motor in 'pusher' configuration. Specially designed to fly in urban tight areas and perform agile manoeuvres during the chasing of targets.

OPTICAL & THERMAL SENSOR

Optical and Thermal Video Sensor Stabilized Payload

Visible Zoom: x6.6 + x2 digital (total x13.2)
Thermal Resolution: 640 x 480 or 384 x 288
Pitch FOR: -45° to +135°
Roll FOR: -180° to +180°
Diameter: 53 mm
Height: 78 mm
Weight: 160 grs
Power: 10 W

SPECIFICATIONS

Length: 1.00 m; **Wing span:** 1.00 m each wing
Wing area: 0.365 m² each wing
Wing airfoils: AG40, AG41, AG42, AG43
Wing aspect ratio: 5
Stabiliser area: 0.294 m²
Stabiliser aspect ratio: 6.3
Stabiliser airfoils: HT14/HT12
Vertical stabiliser area: 0.294 m²
Vertical stabiliser aspect ratio: 2.3
Control surfaces: Ailerons, flaps, movable stabiliser, vertical stabiliser
Wing loading: 23.5 gr/dm²
Max. takeoff weight: 3.5 kg
Cruising speed: Approx. 90 km/h
Max. altitude: 4,000 m

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