

AF200



Hardware

Drone type

Electric dual tilt-rotor (eVTOL)

Dimensions

183 x 101 x 52 cm [W x L x H]

Weight

11kg empty
17kg with batteries
22kg max. take-off weight

Payload

5kg max. weight

Propulsion

2x rotors during operation

Drone battery

4x Li-Ion battery (403Wh each)

Avionics

1x GNSS systems
2x Magnetometer

Connectivity

1x Cellular data link (4G or 5G)
1x RF data link & Video link (5.8Ghz)

Range Estimation

Payload	5kg	4kg	3kg	2kg	1kg	0kg
Flight distance	40km	47km	54km	56km	58km	60km
Flight time	37min	42min	45min	47min	49min	50min

Operation

Mode

Multi-copter when hovering
Fixed wing when cruising

Flight speed

20 m/s default cruise speed
30 m/s max. cruise speed

Climb speed

2 m/s climb rate
1.5 m/s descent rate

Max. flight time & Range

25 min (hovering with 3kg payload)
45 min (level flight with 3kg payload)

Max. altitude

3000 m ASML

Auto-landing accuracy

1.5 m (0.1 m with RTK - optional)

Wind resistance

12 m/s average wind, 17 m/s gusts

Operating temperature

-5 ~ 40° Celsius

Weather limits

Operational in drizzle