

# 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

2x GNSS systems

2x Airspeed sensors

3x 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
Direct one-way flight	40km	47km	54km	56km	58km	60km
	37min	42min	45min	47min	49min	50min

## Operation

### Mode

Multi-copter when hovering

Fixed wing when cruising

### Flight speed

20 m/s default cruise speed

35 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

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

### Operating temperature

-5 ~ 40° Celsius

### Weather limits

Operational in drizzle