EPSILON

Quad 25/15

Heavy-Lift Multirotor UAS

A Comprehensive Solution Provider

BUILT IN SOUTH AFRICA
Carbon-fibre airframe · IP64

Up to 15 kg payload

Up to 2 hours flight time*

50 km telemetry range

Deploys in < 30 seconds



The Quad 25/15 is a heavy-lift, fully autonomous quadcopter in carbon-fibre composite. It carries up to 15 kg and flies up to 120 minutes with payload, covering over 100 km, with a 50 km telemetry link. IP64-rated and wind-resistant to 61 km/h, it folds compactly for rapid deployment on ISR, delivery and specialist payload missions.

AT A GLANCE

MTOW	**26 kg**
Max payload	**Up to 15 kg**
Flight time	**Up to 120 min***
Max speed	**22 m/s (79 km/h)**
Wind resistance	**61 km/h (Cat. 7)**
Telemetry range	**Up to 50 km**
Operating altitude	**Up to 5,000 m**
Ingress protection	**IP64**

KEY CAPABILITIES

Heavy lift
Up to 15 kg on customisable central hard points.

Long flight time
Up to 120 min with payload, over 100 km.

All-weather
IP64; –20 °C to 50 °C; 61 km/h winds.

Fuily autonomous
Pre-programmed missions; compact folding frame.

Built-in safety
Triple IMU, dual compass, quad GNSS.

LIFT MORE. FLY LONGER.
DEPLOY IN SECONDS.

ISR & SURVEILLANCE

CARGO & RESUPPLY

MAPPING & INSPECTION

RECONNAISSANCE & OVERWATCH

www.epsilonaerovision.com

*With payload; flight time varies with payload, configuration and conditions.

EPSILON

Quad 25/15

Platform Specifications & Integration

AIRFRAME & PERFORMANCE

Type	**Autonomous quadcopter**
Material	**Carbon-fibre composite**
Diagonal (props folded)	**1,360 mm**
MTOW	**26 kg**
Max payload	**Up to 15 kg**
Flight time	**Up to 120 min***
Distance per flight	**100 km+**
Max speed	**22 m/s**
Wind resistance	**Cat. 7 (61 km/h)**
Max altitude	**5,000 m**
IP rating / temp.	**IP64 · ~20 to 50 °C**

POWER & REDUNDANCY

Battery	**Semi-solid Li-ion, 44.4 V**
Battery mass	**6 kg**
Cycle life	**Up to 800 cycles**
Recharge	**90 min**
Charger	**Dual-channel, 1,300 W**
IMUs	**Triple**
Compass	**Dual**
GNSS	**Quad, multi-constellation**
Calibration	**No pre-flight needed**
Failsafes	**Numerous, built-in**
Payload mount	**Central hard points**

HANDHELD GROUND STATION



50 km

Bidirectional telemetry and control range

Screen	**10.1" HD touchscreen**
Frequencies	**800 MHz / 1.4 / 2.4 GHz**
Channels	**16**
Modulation	**FHSS**
IP rating	**IP67**
Interfaces	**USB, 4G, LAN, HDMI**



IN THE BOX

- Quad 25/15 aircraft
- ISR camera payload
- Balance charger
- Spare parts
- Handheld GCS
- Carrying case
- Battery checker
- 32 GB SD card

Shock-resistant hard case protects the aircraft in transport.

TRAINING PROGRAMME

- Introduction to UAV / UAS
- Aircraft specs & parts familiarisation
- GCS, terrain analysis & flight planning
- Assembly & disassembly
- Flight-simulator exercises
- Hover practice & basic manoeuvres
- Hands-on actual flights

*With payload. Performance varies with payload, configuration and conditions. Telemetry range is line-of-sight. Designed, developed, built and tested in South Africa. Specifications are indicative and subject to change without notice.

CONTACT

Dr G.B. Erasmus

gerte@epsilonaerovision.com

+27 72 580 8136

www.epsilonaerovision.com