

ALIT TACTIC

ALIT DRONES · UNMANNED SYSTEMS



20 KM LINK
RF OR FIBRE-OPTIC

10" FOLDING PROPS
2-BLADE · SELF-LOCKING

DUAL-SENSOR GIMBAL
30× ZOOM + THERMAL

FOLDABLE · AI-GUIDED · FIBRE-OPTIC OPTION

FPV FIGHTER DRONE Z10

A foldable carbon-fibre FPV with a dual-sensor AI gimbal: 30× day camera and thermal for 24-hour operation. AI target lock holds the designated object without operator input, and waypoint missions fly unaided on fibre-optic tether or a 20 km frequency-hopping link.

3 kg
MAX PAYLOAD

32 min
ENDURANCE, NO PAYLOAD

20 km
DATA LINK

150 km/h
MAX SPEED

01 · CAPABILITIES

SIX CAPABILITIES,
ONE AIRFRAME

 01 AI TARGET LOCK Holds the designated target to 300 m (man-size) and 800 m (vehicle) with no operator input after lock.	 02 NIGHT VISION & THERMAL 384×288 thermal at F1.0 plus 30× day camera on one 3-axis gimbal.	 03 AUTONOMOUS MISSION FLIGHT Waypoint missions fly unaided on visual-inertial navigation and multi-band GNSS.
 04 FIBRE-OPTIC OR RF LINK Zero-emission fibre tether, or a 20 km frequency-hopping digital link.	 05 3 KG HIGH-SPEED PAYLOAD 3 kg at up to 150 km/h in altitude-hold mode, modular bay.	 06 FOLDABLE AIRFRAME 374 mm folds to 165 mm across for backpack and case carriage.

02 · S12 3-AXIS AI GIMBAL

DUAL-SENSOR.
0.1° STEADY.

A 117 g three-axis head with a 30× zoom visible lens and an uncooled thermal core on the same optical axis, so AI recognition and terminal guidance stay locked through aggressive manoeuvres and in darkness.

DUAL-SENSOR PAYLOAD

2880×1620 visible, 1/2.7" CMOS, 30× zoom; 384×288 thermal at F1.0.

AI TERMINAL GUIDANCE

Holds a man-sized target to 300 m and a vehicle to 800 m.

LOW-LATENCY VIDEO

1280×720 at 30 fps live, thermal response under 10 ms.

ONBOARD RECORDING

H.265 / JPEG to microSD up to 128 GB.





03 · DEPLOYMENT

DEPLOYED WHERE OTHERS CAN'T REACH

Folds to case dimensions and goes from carry to airborne with a single operator, in a -10 °C to +40 °C envelope.

<60_s 1 2,650_g
DEPLOY OPERATOR TAKE-OFF

04 · COMPLETE FIELD SYSTEM



- AIRFRAME
- R12 GROUND STATION
- 6S 12,000 MAH
- 200 W AC CHARGER
- 8× SPARE PROPS
- BATTERY STRAP
- CABLE SET
- HARD TRANSIT CASE 460×400×290 MM

05 · MISSION SCENARIOS

S01

NIGHT ISR & TARGET ACQUISITION

Thermal with 30× zoom for persistent reconnaissance in darkness, smoke and haze.

S02

TERMINAL GUIDANCE & PAYLOAD DELIVERY

AI guidance onto the designated point at up to 150 km/h, carrying up to 3 kg.

S03

RF-DENIED AIRSPACE

Fibre-optic tether emits no RF and cannot be jammed; 20 km hopping link beyond it.

FULL TECHNICAL DATA

PERFORMANCE

Speed, GPS	100 km/h
Speed, alt-hold	150 km/h
Range	20 km
Endurance, 0 kg	~32 min
Endurance, 2 kg	~15 min
Endurance, 3 kg	~12 min
Max payload	3 kg
Operating temp.	-10 to 40 °C

PHYSICAL

Unfolded	374×346×120 mm
Folded	165×337×120 mm
Diagonal	449 mm
Weight, no battery	1,500 g
Battery weight	1,150 g
Frame	Carbon-fibre
Propeller	10" 2-blade
Transit case	460×400×290 mm

PROPULSION & ELECTRONICS

Motor	T3-10
ESC	6S 65A 4-in-1
Battery	22.2 V 12,000 mAh
Energy density	≥280 Wh/kg
Charger	200 W AC
Flight controller	H743-class
IMU	BMI088
Autopilot	ArduPilot

COMMS & NAVIGATION

Comms mode	Fibre-optic / RF
Data link range	20 km
RC bands	2.4 / 5.8 GHz
Anti-jamming	Freq. hopping, omni
Navigation	VIO + MEMS inertial
GNSS	Multi-band triple-mode
Autonomy	Waypoint, 1-click RTH

S12 AI CAMERA SYSTEM

Visible resolution	2880×1620
CMOS / zoom	1/2.7" · 30×
Video transmission	1280×720 @ 30 fps
Thermal resolution	384×288
Focal / aperture	7 mm · F1.0
Thermal FOV	24.8°×18.7°
Spectral range	8–14 μm
Pixel pitch / rate	12 μm · ≤25 Hz
AI lock, man / vehicle	300 m / 800 m

Figures are nominal. Performance varies with payload, altitude, temperature and wind. Specifications are the manufacturer's and are subject to the delivered configuration; final figures are confirmed in the quotation. Supplied to authorised defence and law-enforcement end users, against documented end-user certification and the export approvals of the countries concerned.

REQUEST A TECHNICAL BRIEFING

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