STAR INXS
SOLUTIONS PVT LTD

DRONES & UNMANNED SYSTEMS
PRODUCT BROCHURE

GASOLINE RECON UAV

SG 3



LONG LOITER • EO/IR • COMM RELAY

5–6 H	200 KM	80 KM/H CRUISE	EO/IR	COMM RELAY

GASOLINE-POWERED FIXED-WING SURVEILLANCE UAV

DESIGNED & BUILT IN INDIA · STARINXS.COM

OVERVIEW

GASOLINE-POWERED FIXED-WING SURVEILLANCE UAV

A gasoline-powered fixed-wing surveillance UAV for border, corridor and wide-area missions: 5–6 hours aloft, 200 km of range and room for EO/IR gimbals or a communications relay.

SG-3 is built for persistent reconnaissance. Gasoline propulsion gives it long loiter without the limits of batteries, and its payload bay takes gyro-stabilised EO/IR gimbals and tactical radio repeaters, so one sortie can cover surveillance and communications relay.

5-6 h	200 km	80 km/h	25 kg
ENDURANCE	RANGE	CRUISE	ALL-UP WEIGHT

AT A GLANCE

5–6 H	200 KM	80 KM/H CRUISE	EO/IR	COMM RELAY

WHY IT STANDS OUT

01 ***5–6 H LOITER***
Long, stable surveillance runs.

02 ***200 KM RANGE***
Border corridors and maritime routes.

03 ***EO/IR***
Gyro-stabilised camera gimbals.

04 ***COMM RELAY***
Tactical radio repeater payload.

FEATURES

LONG LOITER
Gasoline propulsion for 5–6 hours.

200 KM RANGE
Wide-area and corridor surveillance.

EO/IR GIMBALS
Gyro-stabilised day and thermal cameras.

COMMUNICATIONS RELAY
Tactical radio repeaters in the payload bay.

MODULAR PAYLOAD BAY
Surveillance and relay on the same sortie.

STABLE FLIGHT PATH
Consistent coverage of long routes.



BORDER SURVEILLANCE
Long, stable runs along border corridors.

TECHNICAL SPECIFICATIONS

TECH SPECS

SPECIFICATIONS	
All-up weight	25 kg
Wingspan	3 m
Power plant	Gasoline engine
Endurance	5–6 h
Range	200 km
Cruise speed	80 km/h
Payload	EO/IR gimbals and communication repeaters

Figures are typical values for a standard configuration and may change without notice. Dimensions marked ≈ are indicative.



POSSIBLE ENHANCEMENTS

TARGET DETECTION AND FOLLOWING
On-board detection that locks on and follows a target.

VISUAL NAVIGATION
Navigation where GNSS is denied or jammed.

PRECISE VISUAL LANDING
Lands on a marked point without GNSS.

NIGHT AND LOW-LIGHT TRACKING
Tracking and following after dark.

STANCE AND GAIT DETECTION
Flags threatening posture with an active alert.

SWARMING (IN DEVELOPMENT)
Cooperative missions with other drones and ground robots.

APPLICATIONS

BORDER SURVEILLANCE
Long, stable runs along border corridors.

COMMUNICATIONS RELAY
Extends radio range for teams on the ground.

MARITIME ROUTES
Coverage of coastal and maritime approaches.

LONG LOITER • EO/IR • COMM RELAY

Every option above can be built in for your requirement. Ask for it in your enquiry to contact@starinxs.com.

WHY STAR INXS

IN-HOUSE COMPOSITES
Airframes designed, moulded and built in our own facility.

DESIGNED IN INDIA
Indigenous design and engineering in the air, under water, in simulation and on the range.

ON-BOARD INTELLIGENCE
Detection, tracking and visual navigation where GNSS fails.

TURNKEY DELIVERY
From site survey and design to installation and training.

TENDER READY
Documentation and compliance support for GeM and defence portals.

LIFECYCLE SUPPORT
Training, spares and maintenance after delivery.

FROM REQUIREMENT TO SUPPORT

01 REQUIREMENT

02 DESIGN & ENGINEERING

03 PROTOTYPE & VALIDATION

04 PRODUCTION & INTEGRATION

05 DEPLOYMENT & SUPPORT

DESIGNED, BUILT AND SUPPORTED IN INDIA

- OFFICES IN NEW DELHI AND BHOPAL
- GEM AND DEFENCE TENDERS
- CUSTOM AND OEM BUILDS
- TRAINING, SPARES AND MAINTENANCE

STAR INXS SOLUTIONS PVT LTD

Request a quote, a demonstration or the full data pack for SG-3.

EMAIL	contact@starinxs.com
WEB	starinxs.com
NEW DELHI	Registered office
BHOPAL	Madhya Pradesh
BUYING	Direct enquiry, GeM and defence tenders. We reply within one business day.

WHATSAPP ONLY

+91 91404 00917

Scan for the SG-3 page

© 2026 Star INXS Solutions Pvt Ltd. Specifications may change without notice. Images may show optional equipment.