STAR INXS
SOLUTIONS PVT LTD

DRONES & UNMANNED SYSTEMS
PRODUCT BROCHURE

POLICE AERIAL SUPPORT SYSTEM

POLICE PASS



6 H ALOFT • 200 KM LINK • STOL

360 MIN	200 KM COMM RANGE	8 KG PAYLOAD	6,000 M CEILING	IN-HOUSE GCS

POLICE AERIAL SUPPORT SYSTEM, PETROL FIXED-WING UAV

DESIGNED & BUILT IN INDIA · STARINXS.COM

OVERVIEW

POLICE AERIAL SUPPORT SYSTEM, PETROL FIXED-WING UAV

Police Aerial Support System: a petrol-engined fixed-wing UAV with six hours of endurance, a 200 km command range and short take-off and landing, delivered with our in-house ground control station.

PASS is built for persistent surveillance, public safety and intelligence missions. Its hybrid-composite airframe and petrol engine keep it on station for up to six hours, and it takes off and lands in a short distance.

6 h	200 km	8 kg	6,000 m
ENDURANCE	COMM RANGE	MAX PAYLOAD	SERVICE CEILING

AT A GLANCE

360 MIN	200 KM COMM RANGE	8 KG PAYLOAD	6,000 M CEILING	IN-HOUSE GCS

WHY IT STANDS OUT

01 ***6 HOURS ALOFT***
360 minutes of endurance.

02 ***200 KM LINK***
Secure command and live monitoring.

03 ***STOL***
Short take-off and landing.

04 ***8 KG PAYLOAD***
EO/IR and mission payloads.

FEATURES

SIX-HOUR ENDURANCE
An IC petrol engine for long missions.

200 KM COMMAND RANGE
Secure command and real-time monitoring.

SHORT TAKE-OFF AND LANDING
Operates from short strips.

8 KG PAYLOAD
Room for EO/IR and mission payloads.

HYBRID-COMPOSITE AIRFRAME
A rugged structure for field use.

IN-HOUSE GROUND CONTROL
Mission planning, navigation, live telemetry, weather, payload control and fleet management.



POLICE OPERATIONS
Persistent overwatch for law and order, crowds and searches.

TECHNICAL SPECIFICATIONS

TECH SPECS

SPECIFICATIONS	
MTOW	25 kg
Wingspan	3 m
Airframe	Hybrid composites
Power plant	IC petrol engine
Endurance	360 min
Comm range	200 km
Take-off / landing	STOL
Cruise speed	90 km/h
Max speed	100 km/h
Operating altitude	1,500 m AGL
Ceiling	6,000 m AMSL
Payload	up to 8 kg
Wind resistance	15–20 km/h
Ground control	In-house GCS, up to 200 km

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



WHAT COMES WITH IT

GROUND CONTROL STATION

STANDARD

Our in-house GCS, laid out like a glass cockpit: mission planning, navigation, live telemetry, weather, payload control and fleet management.

EO/IR PAYLOAD

Stabilised day and thermal camera.

POSSIBLE ENHANCEMENTS

TARGET DETECTION AND FOLLOWING

On-board detection that locks on and follows a target.

NIGHT AND LOW-LIGHT TRACKING

Tracking and following after dark.

VISUAL NAVIGATION

Navigation where GNSS is denied or jammed.

STANCE AND GAIT DETECTION

Flags threatening posture with an active alert.

PRECISE VISUAL LANDING

Lands on a marked point without GNSS.

SWARMING (IN DEVELOPMENT)

Cooperative missions with other drones and ground robots.

APPLICATIONS

POLICE OPERATIONS

Persistent overwatch for law and order, crowds and searches.

BORDER AND COASTAL PATROL

Six hours on station over long borders and coastlines.

DISASTER RESPONSE

Wide-area assessment when roads are cut.

6 H ALOFT • 200 KM LINK • STOL

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 PASS.

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
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Scan for the PASS page

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