

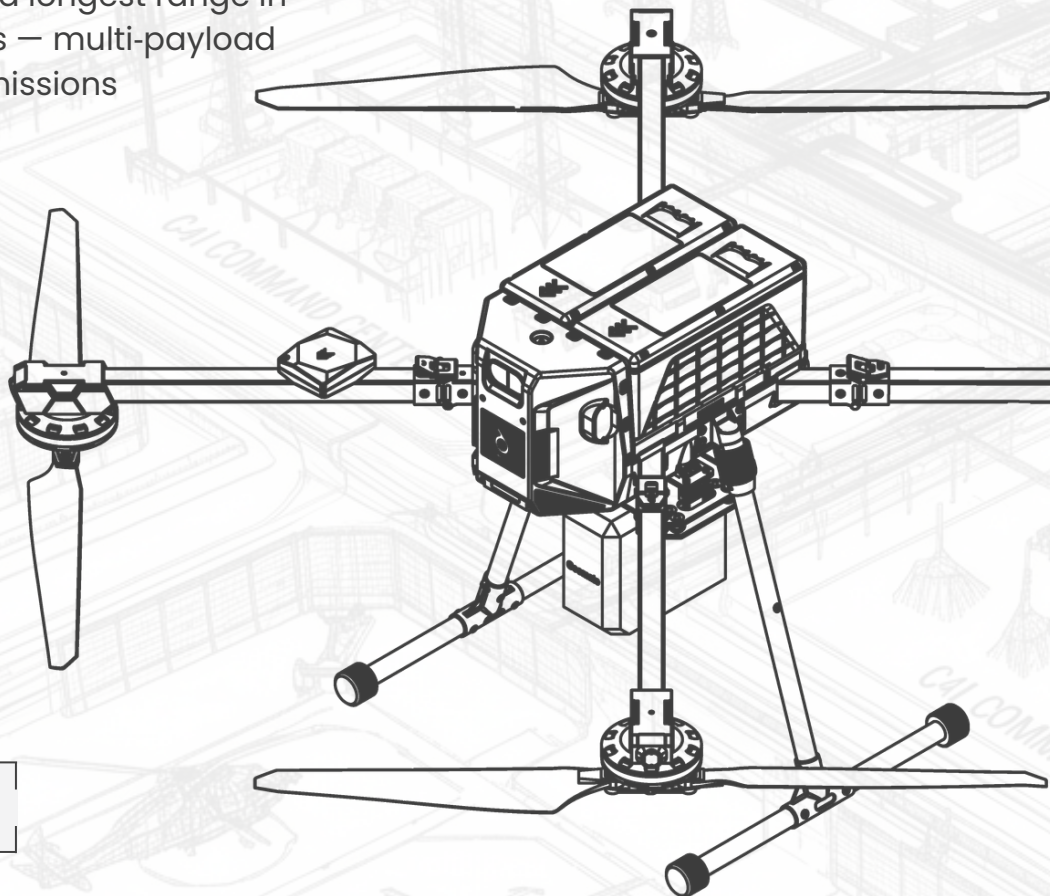
indrones
#RapidGroundTruthing

SOVEREIGN CAPABILITY.
GLOBAL PERFORMANCE

SIGMA 100

ENTERPRISE-GRADE MULTI-MISSION PLATFORM

Highest endurance and longest range in the sub-8.1405 kg class — multi-payload capability for critical missions



LIGHTWEIGHT FRAME,
HEAVY-DUTY PERFORMANCE.



Upto
8.1405 Kg



SMALL
CATEGORY



4
PAYLOADS



WHY IT MATTERS

OPERATIONAL
ADVANTAGE



Endurance



Range



Payload Flexibility

WHY SIGMA100 MATTERS

Modern defence and critical-infrastructure operations require persistent, adaptable aerial assets that fit regulatory constraints. SIGMA 100 delivers industry-leading Upto 63-minute endurance and 2 km operational range in a sub-8.1405 kg DGCA small category platform – enabling longer on-station time, deeper reach, and rapid payload swaps without heavy logistics.

KEY SPECIFICATIONS

DESIGNED FOR PERSISTENT DEFENSE MISSIONS



MTOW: 8.1405 kg

Ultra-light platform for easy transport and rapid deployment



Category: Small (DGCA)

DGCA-compliant small-category system for regulated operations



Endurance: Upto 63 min

63-minute endurance for extended on-station mission coverage



Range: 2 km

2 km operational range for deeper field reach



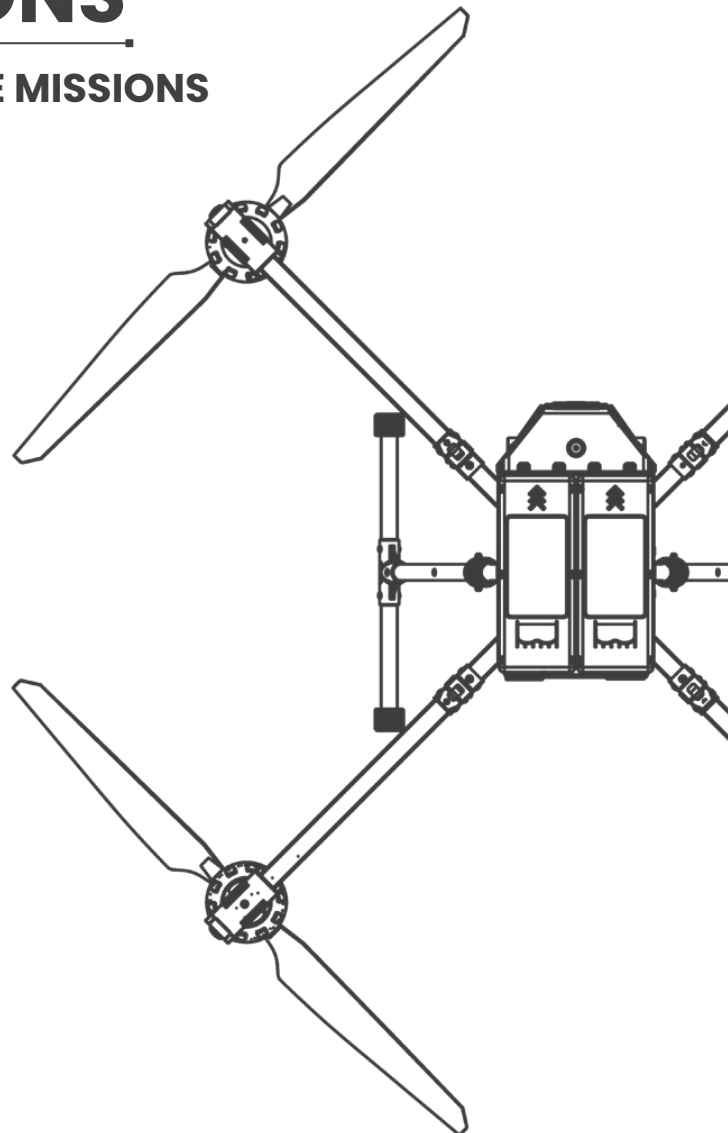
Battery: 40,000 mAh Li-ion

High-capacity Li-ion battery for long, reliable sorties



Payloads: 4

4 modular payloads, including gas sensing and spotlight





PAYLOAD VERSATILITY

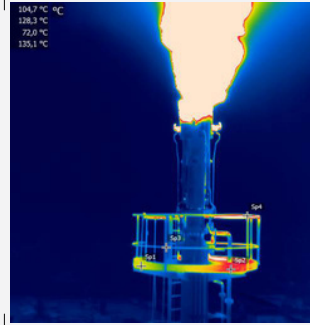
ONE PLATFORM. 4 TACTICAL PAYLOADS

Optical & Thermal



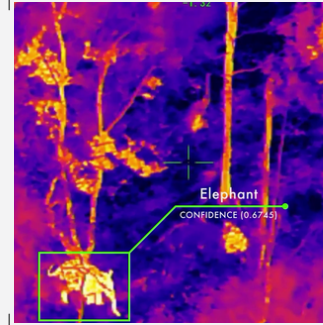
Dual-sensor ISR and day/night structural inspection

Gas Detection



Real-time hazardous gas tracking and environmental monitoring

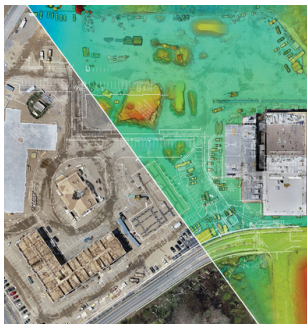
Spotlight & Utility



High-intensity illumination and tactical support for night operations

MISSION PROFILES

BUILT FOR HIGH-STAKES DEPLOYMENT



OIL & GAS
MONITORING



SEARCH & RESCUE
(SAR)



SMART CITY
SURVEILLANCE



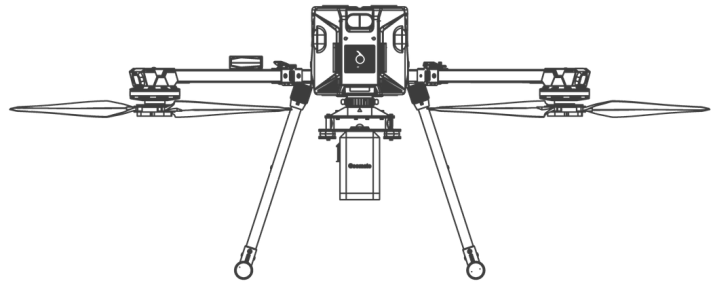
CRITICAL INFRASTRUCTURE
INSPECTION



BORDER SECURITY & PERIMETER
PATROL



SIGMA100

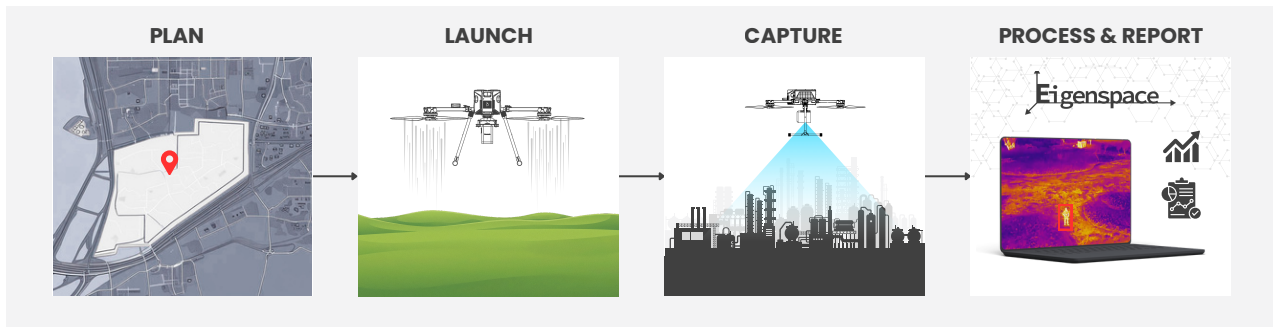


S100 is an industrial-grade drone designed to carry demanding payloads with high reliability. Its rugged, modular construction allows ultimate customizability, making it suitable for a wide range of professional and mission-critical applications.

TECHNICAL DATA SHEET

UAV Specifications	Value
Operating Altitude	400 ft AGL
Cruise Speed	12 m/s
Maximum Take-off Weight	8.1405 kg
Battery	40000 mAh
Maximum RPM	3929 RPM
Dimensions	1088.34 x 1088.34 x 486.07 (mm)
Flight Time	63 Minutes
Wind Resistance	Up to 12 m/s
Operational Conditions	
Temperature	10°C to 50°C
Flight Range	2 Km
Type-Certified Payloads	
	RGB Surveillance Up To 30x Zoom
	Oblique Camera Penta/ 3D Model
	LIDAR: Next-generation system
	RGB Survey 24 MP
Other Compatible Payloads	
	Thermal Imager Radiometric + Zoom
	Multispectral 5-Band / NDVI
	Training payload, for internal training .
	Speaker for Crowd Engagement
	Any payload up to 1.5 kg (AlphaAir 6)

OPERATOR VALUE



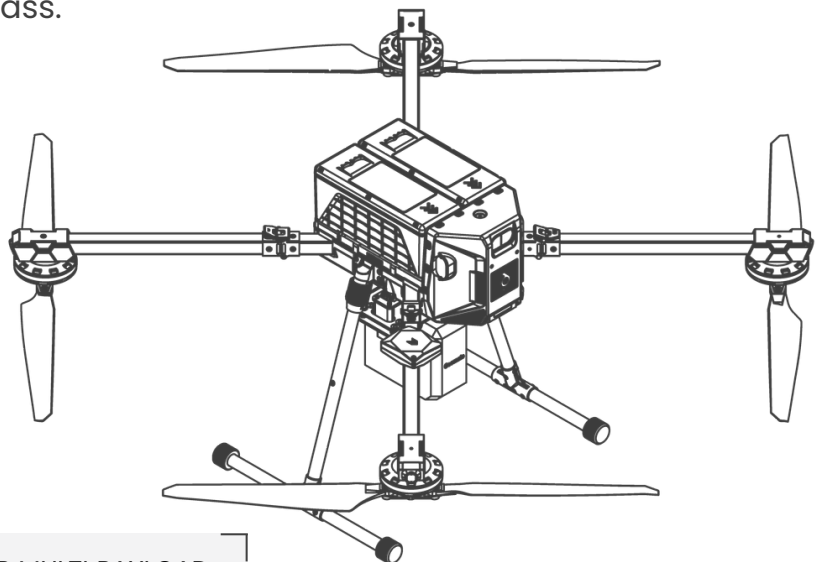
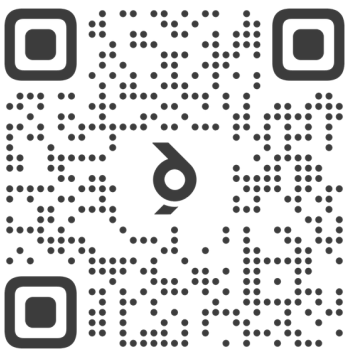
PURPOSE-BUILT FOR TACTICAL COMMANDERS

The SIGMA100 provides field-proven reliability where data gaps are not an option. By delivering an unprecedented 63-minute airborne window and 2 km command radius, it empowers operators to execute long-range surveillance and complex inspections with total confidence

DOMINATING ENDURANCE. REDEFINING MISSION REACH.

The Indrones SIGMA100 brings unprecedented 63-minute flight times, 2 km ranges, and 4 payload configurations to the sub-8.1405 kg enterprise class.

DESIGNED FOR PERSISTENT
DEFENSE MISSIONS



BUILT FOR MULTI-PAYLOAD
MISSION FLEXIBILITY

REQUEST A DEMO

TALK TO APPLICATIONS TEAM

EXPLORE PAYLOAD OPTIONS



GOVERNMENT OF INDIA/ भारत सरकार
DIRECTOR GENERAL OF CIVIL AVIATION/ महानदेशक नागर विमानन का कार्यालय
OPP. SAFDARJUNG AIRPORT/ सफदरजंग एयरपोर्ट के सामने
NEW DELHI – 110003/नईदिल्ली - ११० ००३

TYPE CERTIFICATE

No. T09260000124/00

This certificate, issued to M/s **INDRONES SOLUTIONS PRIVATE LIMITED** certifies that the Unmanned Aircraft System

"SIGMA 100",

its technical specifications and operating limitations for which are contained in datasheet No, T09260000124/00 dated the 25/09/2026 is of proper design, material, specification, construction and performance for safe operation based on the recommendation of M/s **TQ Cert Services Private Limited** as required by the Certification Scheme for Unmanned Aircraft Systems notified by the Ministry of Civil Aviation vide S.O. 347(E) dated the 26th of January, 2022 .

This Type Certificate is issued under the provision of Rule 8 and Rule 9 (3) of the Drone Rules 2021.

This certificate shall remain valid until suspended or cancelled.

Date :25/09/2026

For Director General of Civil Aviation
Maneesh Kumar
Joint Director General

Signature Not Verified

Digitally Signed.
Name: Maneesh Kumar
Joint Director General
Date: 25-Sep-2026 18:07:25

