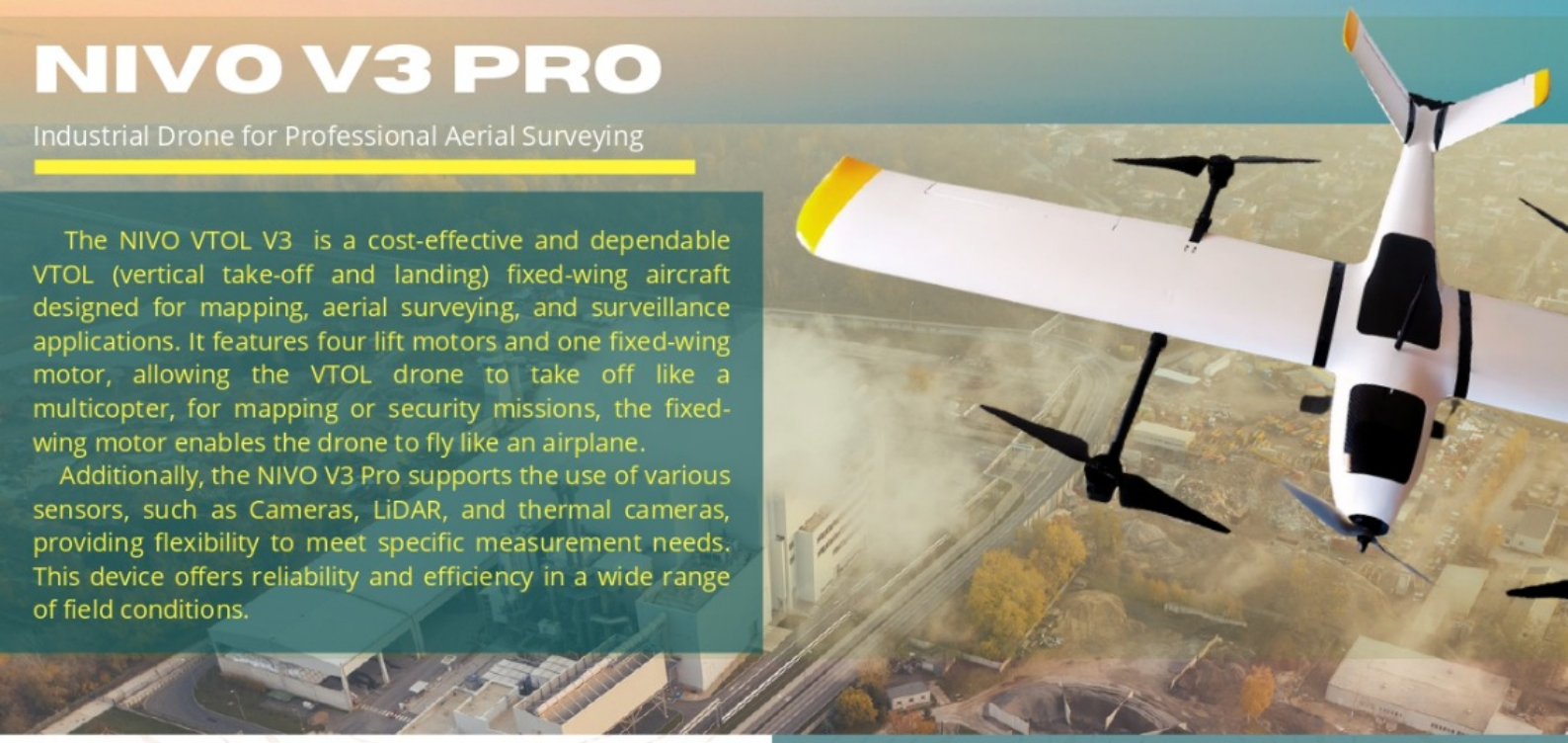
NIVO V3 PRO

Industrial Drone for Professional Aerial Surveying



The NIVO VTOL V3 is a cost-effective and dependable VTOL (vertical take-off and landing) fixed-wing aircraft designed for mapping, aerial surveying, and surveillance applications. It features four lift motors and one fixed-wing motor, allowing the VTOL drone to take off like a multicopter, for mapping or security missions, the fixed-wing motor enables the drone to fly like an airplane.

Additionally, the NIVO V3 Pro supports the use of various sensors, such as Cameras, LiDAR, and thermal cameras, providing flexibility to meet specific measurement needs. This device offers reliability and efficiency in a wide range of field conditions.

Key Features

Durable and Lightweight Design

Built with durable materials, the NiVO V3 VTOL is lightweight and resilient, capable of withstanding various weather conditions while ensuring stable and reliable performance.

Easy Operation and Deployment

The user-friendly control system and seamless integration with mobile apps make the NiVO V3 VTOL easy to deploy and operate, even for users with limited experience.

High-Precision Data Capture

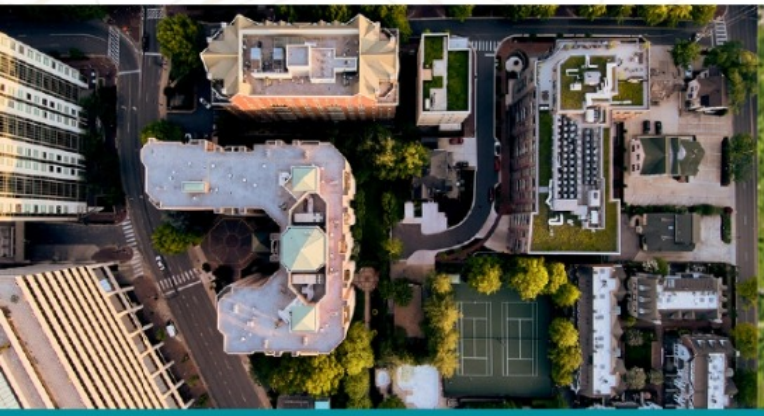
The NiVO V3 is equipped with a high-resolution camera and advanced sensors, allowing for accurate topographic mapping and aerial imagery with exceptional detail.

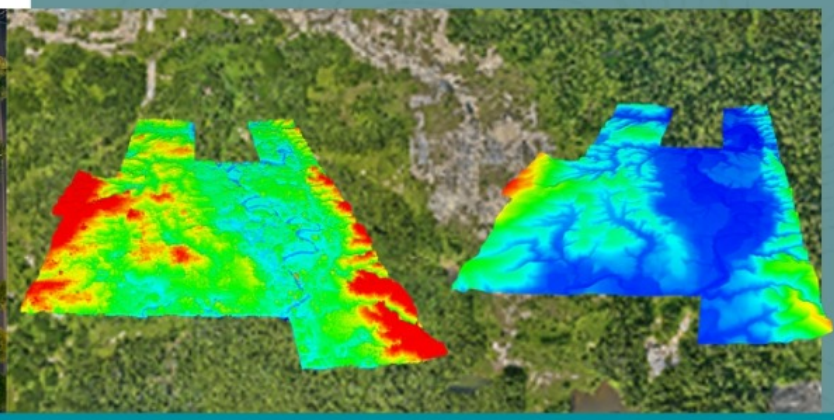
Long-Endurance Flight Time

With its optimized flight system, the NiVO V3 VTOL can operate for extended periods, ensuring maximum coverage and data collection efficiency during each mission.

Autonomous Flight Modes

Pre-programmed flight paths and autonomous navigation features allow users to carry out complex surveys with minimal manual intervention, increasing operational efficiency.





Pamularsih Street, No. 152B, Sinduharjo, Ngaglik, Sleman, Special Region of Yogyakarta 55581, Indonesia

info@technogis.co.id

www.technogis.co.id

technogis.idn

PT Techno GIS Indonesia

+62 813-2552-3979

(0274)885879

Industrial Drone Mapping NiVO V3 PRO

NIVO V3 VTOL, technology equipped with the GNSS PPK System which produces data with a high degree of accuracy and compatible with more sensor. Designed for maximum monitoring and mapping work in various fields such as plantations, forestry, urban areas, and other infrastructure

Technical Specification



Body	Wingspan	2100 mm
	Material	Carbon Composite
	Propeller Cruise	APC 1612
	Propeller VTOL	1755 Carbon Fiber
Unit Performance	Endurance	60 Minutes
	Speed Mission	17 m/s
	Coverage Area	500ha / Flight
	Takeoff weight	5200 gram
	Payload	200 gram
Power	Battery	Li-ion Pollymer 22.2 V
	Capacity	16000 mAh
Sensor Support	Radius Telemetry	10 Km
	Camera RGB	36.4 MP *default RGB
	NDVI	Camera Multispectral
	LiDAR	700.000 point/seccond
	Ground Sampling Data	Up to 2 cm/pixel
GNSS PPK/ RTK System	Flight Planner	QGC or Mission Planner
	GNSS Type	Dual Frequency
	Accuracy absolute	Horizontal : 10 cm Vertical : 15 cm
TKDN *(Tingkat Komponen Dalam Negeri)* **Certificate**		> 25 %

VTOL TECHNOLOGY

RTK/PPK GNSS POSITIONING

CAMERA/ LIDAR/ THERMAL

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technogis.idn

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