Tiki3D
Advancing Photogrammetry

Tiki Technologies Intl. Co., Ltd.

Real-time 3D Mapping Drone

TS001

TS001 quad-rotor drone equipped with 24-megapixel sky camera

> Max Flight Time: 45 minutes

> 1 sqkm model reconstruction duration: 15 minutes (GSD 5cm)

> Maximum load 2kg

> Interchangeable mount design

Advantages of UAV Platform

Quick deployment

Easy and efficient disassembly and assembly, simplifying the transporting and storage of drones, allowing for quick deployment any time

Intelligent flight

Supports manual take-off and landing or fully autonomous flight operations (one-button take-off, landing and other flight operations), making operations easier.

Safe and stable

All drones are equipped with millimeter-wave obstacle avoidance radar, high-definition image transmission, terrain-adaptation flight, breakpoint continuation and other safety features to give operators a peace of mind.

No-fly zone warning

The control system has an electronic fence function, and users can set restricted flight zones according to their needs and restrictions.

*No-fly zones will still require airspace reporting to the authorities

Various possibilities

All drones use quick release gimbals, and the gimbals are modularly designed for a variety of application scenarios.

On-site Real-time 3D Model Construction

Generate aerial images and 3D point cloud data in real time

Lossless & Efficient Image Stitching

Lossless image transmission, under the same height and conditions, the resolution is higher than other products.

High Accuracy

The system is equipped with RTK/PPK module and ground attitude sensor, with an accuracy better than 10cm.

Rapid Scalable Operations

The whole machine has a modular design, short preparation time is needed, suitable for various operation requirements.

http://www.tiki3d.com

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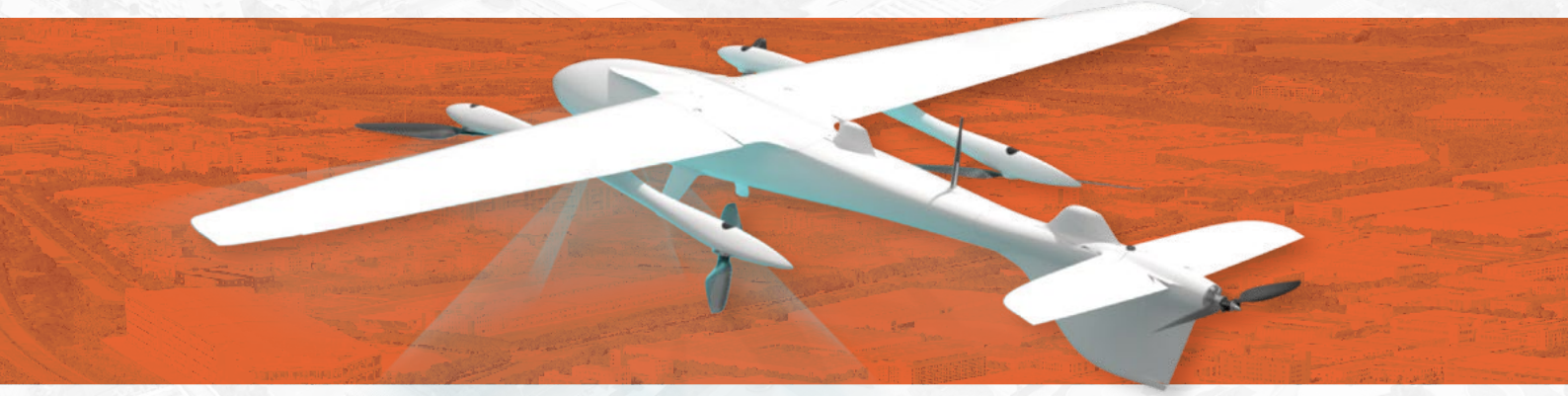
UAV / Drones



TMP4 Drone

> Material	All-carbon fiber composite design
> Take-off and landing mode	No remote control required, fully autonomous vertical take-off and landing
> Weight	15kg
> Cruise speed	80km/h
> Recommended flying altitude	6500m
> Operational wind condition	Level 6 during take-off and landing. Level 8 headwind and tailwind, and Level 6 crosswind during cruise phase
> Operational temperature	-20°C to 50°C
> Navigation control	Dual-frequency navigation system, supports GPS with various types of satellite
> Mission mode	Supports fully automatic mission mode
> Safety mechanism	Supports "Automatic Return Home" during excessive wind condition, loss of contact