Tiki Technologies Intl. Co., Ltd.

Tiki3D
Advancing Photogrammetry

TRMS Real-Time 3D Mapping Solution

No Loss in Precision, High Fidelity Output

Our system is designed to streamline workflow with an "On-the-Fly" capability, where data can be transmitted while drones are still in operation, allowing for immediate data processing. This Real-time transmission and computation process ensures that there is no loss in resolution, guaranteeing high fidelity in the final output. The result is crystal-clear, high definition deliverables produced without any compromise on accuracy or quality. The generated light-weight 3D model can be browsed in real-time by multiple users on various mobile and virtual reality devices and it can easily be pushed to big screens in control rooms thousands of miles away.

Real-time
Real-time transmission and computation allows for immediate data processing, saving precious and critical time

Highly Automated Workflow
From automated flight path to data transmission and processing, minimal human operation needed

High Fidelity & Precision 3D Models
Crystal-clear, lightweight 3D model produced can be easily pushed onto remote big screens

> Overcome traditional problems of unconstructable details caused by aerial images taken from obstructed angles.
> Fully restore the real-world environment with a user-friendly interface.
> Uses 3D data formats that are universally compatible.
> Allows for direct measurement of distance, area, and volume.
> A lightweight, progressive-loading data format enables full-resolution review even with low bandwidth.
> Achieve lossless resolution and texture of 3D models from original images

http://www.tiki3d.com

Add: 5/F, Efficiency House, 35 Tai Yau Street, San Po Kong, Kowloon, Hong Kong

TRMS Real-Time 3D Mapping Processing Hardwares

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TWS 3S

Latest Performance Specification	
Computing Nodes	1 nodes
CPU	Support latest mobile Intel i9 14900
Graphic Card	NVIDIA RTX4090 GPU, Core frequency>2300MHZ
Memory	128G DDR5
Storage	Storage 4T NVMe SSD and above
Network	Public network module, WiFi, RJ45 module, 4G SIM card, WLAN module
Display	1920 ×1080 ×3
Power	800 PSU
Size	490×250×410mm
Weight	16kg

TWSmini Mobile GPU Workstation

Latest Performance Specification	
Computing Nodes	Option of 6 or 10 nodes
CPU	Support latest mobile Intel i9 14900
Graphic Card	NVIDIA RTX4080 GPU
Memory	64G DDR5
Storage	Fast NVMe SSD Storage (from 8TB Intel U.2 SSD)
Network	10Gbps Ethemet Port
Display	Starting from 2560 × 1440 @ 144Hz
Power	1000~4000PSU
Size	0.06 cbm
Weight	16-30kg

TWS Rack (High-Density GPU Server Solution)

- Support latest Intel i9/ AMD R9 CPUs
- NVIDIA RTX40 series & AMD RX7900XTX GPUs
- Capable of running 3-4 software engines, instant productivity boost
- 24/36 Nodes per rack
- Fiber-Optic Internet port allows for high-speed data transmission