

March 5, 2024

Company Name	Kudan Inc.	
Representative	CEO	Daiu Ko
	(Securities code: 4425 TSE Growth)	
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Kudan releases Kudan Visual SLAM for NVIDIA's Edge AI platform and exhibits at the NVIDIA GTC 2024, AI technology conference

Kudan Inc. (headquartered in Shibuya-ku, Tokyo; CEO Daiu Ko, hereafter “Kudan”) is pleased to announce that under the collaboration with NVIDIA Corporation (headquartered in California, USA, hereafter “NVIDIA”), we have completed the development and optimization of Kudan Visual SLAM (KdVisual) for Jetson, an Edge AI platform, and have decided to launch this product. In conjunction with this, Kudan is also pleased to announce that we will be exhibiting at NVIDIA GTC 2024, the world's largest AI technology conference, to be held in the United States on March 18-21, 2024.

1. Background to the release of the product and its details

KudanSLAM is the software that provides localization and environmental mapping, which are essential for autonomous mobility of robots, self-driving cars, digital twins, etc., and Kudan provides both camera-based KdVisual and Lidar-based KdLidar to the market. In addition, NVIDIA's Jetson platform* is a GPU-equipped platform offered for all AI technologies, including generative AI, and Kudan has previously optimized KdLidar for the Jetson platform (please see our [previous release](#) on our work with NVIDIA).

Kudan has now completed the development of optimization to KdVisual for NVIDIA's Jetson platform, which also incorporates deep learning technology. With this development, developers in industries such as robotics, autonomous driving, and digital twins, who are customers of both Kudan and NVIDIA, can now fully leverage the capabilities of both products even in environments where cameras are used in addition to Lidar. This will provide a significant boost to developers towards even more accurate and stable autonomous mobility of robots, autonomous driving, practical digital twins, and other advancements.

Also, as KdVisual uses camera images to provide environmental mapping and localization in the map, it has a particularly high synergy with AI technology among various SLAM approaches. This optimisation is expected to further increase product value and open up new possibilities for machine understanding of the real world and interaction with humans, including enhanced environmental

understanding, adaptation and anomaly detection in target applications, as well as real-time, interactive experiences for users, including mixed reality.

In response to this progress, Kudan has implemented this technology into its Mobile Robot Development Kit (hereafter “MRDK”), making it even more efficient for the customers to develop products for robots (For more information on MRDK, please see [here](#)).

In addition, Kudan will deepen its collaboration with NVIDIA and will exhibit at [NVIDIA GTC 2024](#), the world's largest AI technology conference, jointly with Vecow, a smart Edge AI platform solution provider and the partner company of Kudan and NVIDIA in Taiwan, to promote our technologies and MRDK including their live demonstrations. NVIDIA GTC 2024 is a technology conference that will lead the AI era, bringing together developers, researchers, IT decision makers, and business leaders to shape the world with the power of AI computing, and Kudan will take this opportunity to work together with NVIDIA and Vecow to promote the next generation of SLAM technology.

*Jetson platform utilizes GPU based on the CUDA architecture and is suitable for edge AI applications such as autonomous robots and self-driving vehicles due to its low power consumption and high computing power.

2. Products release date

March 5, 2024

3. Special expenditure for the products release

There was no special additional expenditure for the release of the new products and they were mainly research and development expenditure such as personnel costs, etc.

4. Future Outlook

We expect the enhanced product functions and promotions resulting from the release of this product to expand business opportunities and contribute to the financial performance, however, the impact on the current year's financial performance is expected to be minor at this time.

We will promptly make an announcement if any event arises that is expected to have a significant impact on the company's financial performance.

About Kudan Inc.

Kudan is a deep tech research and development company specializing in algorithms for artificial perception (AP). As a complement to artificial intelligence (AI), AP functions allow machines to develop autonomy. Currently, Kudan is using its high-level technical innovation to explore business

areas based on its own milestone models established for deep tech which provide wide-ranging impact on several major industrial fields.

For more information, please refer to Kudan's website at <https://www.kudan.io/>.

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■ Contact Information

For more details, please contact us from [here](#).