

KRAMBU Accelerates DeepSeek and Other AI Language Models with Energy-Efficient HBM2 Memory

Unlocking Advanced Language Model Capabilities with a Budget-Friendly, HBM2-Powered Solution

COEUR D'ALENE, ID, UNITED STATES, February 26, 2025 /EINPresswire.com/ -- [KRAMBU](#) Inc. has integrated DeepSeek, Stable Diffusion, and ChatGPT on the AMD Radeon V520 graphics card, providing a powerful and cost-effective AI solution. This deployment leverages the card's HBM2 memory, along with DeepSeek's optimized memory management, to handle complex AI models and interactive applications without requiring more expensive high-VRAM GPUs.

Additionally, KRAMBU's deployment embraces small language models (SLMs)—an approach that significantly reduces computational overhead while retaining high accuracy for specialized tasks. These optimized models not only lower overall AI costs but also exemplify a forward-looking strategy, ensuring that high-performance computing remains accessible, energy-efficient, and sustainable.

This deployment yields significant cost savings by reducing reliance on pricier, high-VRAM alternatives. It also illustrates how existing hardware can be repurposed for new AI workloads, extending the lifecycle of GPUs without the need for extensive infrastructure upgrades. Additionally, the system offers broad framework support, running seamlessly with widely used AI libraries like TensorFlow and PyTorch. By embracing smaller, more efficient language models, the



solution cuts operating costs and resource demands while still delivering robust performance.

KRAMBU's demonstration highlights how forward-thinking optimization unlocks advanced AI capabilities on widely accessible hardware—an approach that bodes well for broader industry adoption, helping organizations reduce barriers to entry and ushering in the future of efficient, cost-effective AI.

About KRAMBU

KRAMBU, headquartered in Coeur d'Alene, Idaho, specializes in high-performance computing and digital infrastructure. With expertise in data center solutions, enterprise hardware, and systems optimization, KRAMBU delivers scalable solutions tailored to evolving technology needs.

Team Member

KRAMBU INC

info@krambu.com

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