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Media & ASX Market Announcement

Australian Securities Exchange

Cycliq Launches R&D project for advanced scene recreation

Key Highlights

- Advanced WiFi streaming from Fly6 Pro cameras has been released
- Cycliq to develop high-efficiency video digestion pipeline for 3D environment reconstruction
- Software upgrades planned to enhance analysis capabilities in Cycliq apps
- 3D reconstruction techniques to elevate Cycliq technical capabilities in machine vision.

Expanding Our Technological Horizons

Cycliq, the global leader in vision and cycling safety technology, is thrilled to announce its latest venture into cutting-edge research and development. Building on our recent collaboration with BeEmotion.ai, we are embarking on an ambitious project to develop automatic 3D scene reconstruction capabilities.

As a company with a well-established history in the manufacturing, distribution, sale, and development of robust action camera solutions, Cycliq is uniquely positioned to lead this innovative project. Our goal is to create a high-efficiency video digestion pipeline that can analyse video data and automatically reconstruct the environment in a digital twin format.

"This project presents an opportunity for a significant leap forward in our technological capabilities," said Andrew Chapman, Chairman of Cycliq. "By developing 3D reconstruction techniques, we're not just enhancing our existing products – we're opening up entirely new possibilities."



Figure 1: Frame from Cycliq Fly6 Pro



Figure 2: Artist impression of 3d rendered environment

Advancement in 3D Reconstruction Technology

The project involves transforming two-dimensional (2D) video data into comprehensive 3D models of the surrounding environment. This technology enables the creation of digital twins—precise virtual replicas of physical spaces—for advanced analysis, simulation and improved situational awareness.

Enhancement of Technical Competencies

This initiative is anticipated to bolster Cycliq's technical competencies in computer vision and artificial intelligence, laying the groundwork for future innovations.

"This project isn't just about enhancing our products," Chapman added. "It's about setting new standards in cycling safety and positioning Cycliq at the forefront of vision and technological innovation in our industry."

Immediate Enhancements and Future Plans

Cycliq is already making significant strides in enhancing its product offerings. On 6 October 2024, it released feature enhancements to its software supporting Fly6 Pro cameras, focusing on improved high-speed Wi-Fi streaming capabilities. These upgrades have resulted in better reliability, enhanced dropout handling, and more succinct user-device interactions via its software, bolstering user experience and adding new features.

Building on this foundation, Cycliq is now poised to introduce AI-enhanced WiFi streaming capabilities for our popular Fly6 Pro cameras in the near future. These advanced features will leverage the ongoing research in computer vision and artificial intelligence, setting the stage for even more sophisticated functionalities.

In parallel with hardware advancements, Cycliq is undertaking a comprehensive refresh of its software ecosystem. Over the coming months, users will see significant updates to desktop applications across Mac, Windows, and Linux platforms.

By aligning the desktop tech stack to a unified codebase, Cycliq's aim is to increase the release cadence on these robust compute platforms, ensuring that software keeps pace with hardware innovations. These immediate enhancements serve as stepping stones towards the broader vision of 3D scene reconstruction and advanced AI capabilities.

We look forward to updating our shareholders on the progress of this exciting new venture in the coming months.

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About Cycliq

Cycliq is an Australian-based smart safety, action and sport cycling company, manufacturing and marketing the world-first, all-in-one, light and camera safety system, the Fly6 and Fly12.

Cycliq has operations in Australia and China, with direct-to-consumer sales from the company website.

Cycliq's ultra-high-definition cameras integrate powerful safety lights and are engineered with numerous safety functions to give cyclists peace of mind, so they can enjoy their ride. In the event of an incident, the cameras act as a black box, capturing everything that happens for later review.

More than 200,000 Cycliq products have been shipped around the world to over 50 countries since the company was founded in 2012.

For more information about Cycliq, please visit www.cycliq.com