ALPS ALPINE
extends your senses

Press Release

November 19, 2026
Alps Alpine Co., Ltd

“Stealth Aerial Interface” Mid-Air Display and Input Device Wins Innovation Award at KES 2026

- Next-Generation HMI Combines Aerial Display, Touchless Control and Decorative Printing, Now with Tactile Feedback -

Alps Alpine Co., Ltd. (Headquartered in Ota-ku, Tokyo; President & CEO: Hideo Izumi; hereinafter “Alps Alpine”) announced that its Stealth Aerial Interface, a mid-air display and input device, has received an Innovation Award in the AX (AI Transformation) category at KES 2026, one of Korea’s largest electronics and IT exhibitions. The Stealth Aerial Interface is a next-generation human-machine interface (HMI) that combines aerial display, touchless sensing that detects the position of a user’s finger, and decorative printing technology. First announced in 2022 as the world’s first mid-air display and input device of its kind, the Stealth Aerial Interface has continued to evolve. The lineup now includes a slim model just 13 mm thick, a larger model supporting video display and interaction, and a model that provides tactile feedback in mid-air, offering a diverse range of mid-air HMI solutions for different use cases.



Innovation Award Recognizes Technology Driving Future Industries

The Stealth Aerial Interface received an Innovation Award at KES (Korea Electronics Show) 2026, held in Seoul, Korea, from October 13 to 16, 2026. The Innovation Awards, the official awards program of KES, recognize innovative technologies and products expected to drive future industries. Alps Alpine’s Stealth Aerial Interface was selected in the AX (AI Transformation) category, which recognizes technologies that leverage digital innovation to create new value and experiences.

Expanding Mid-Air HMI Experiences

Since its announcement in 2022, Alps Alpine has continued to enhance the display performance and operability of the Stealth Aerial Interface while expanding its functions and form factors for different applications and advancing the technology toward practical implementation.

• Expanded Sizes and Display Specifications for Different Applications

The slim model reduces the housing thickness to approximately one-third that of the conventional model and measures 143 mm wide × 57 mm deep × 13 mm thick. Its compact design makes it easier to integrate into space-constrained environments and opens up possibilities for touchless control in combination with familiar devices such as smartphones.

Alps Alpine has also developed a larger model capable of displaying and controlling larger images in mid-air. Display size, floating distance, viewing angle and other specifications can be customized according to the number of users and installation environment, expanding the range of configurations available for different applications.

• Expanded Content Capabilities, Including Variable Displays and Video

While conventional models were limited to fixed icon displays, the latest versions enable displayed content to be changed according to the application.

They also support video display and interaction, expanding the range of content that can be presented and controlled through mid-air HMI.

• From “Seeing and Controlling” to “Feeling”: Creating the Sensation of Pressing in Mid-Air

By integrating haptic technology using airflow, tactile feedback can be delivered to the user’s fingertip when interacting with a mid-air icon. Alps Alpine is exploring a new interaction experience that gives users the sensation of pressing a button without physically touching a screen or switch.

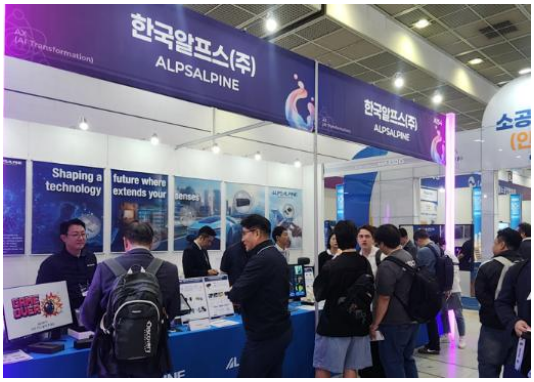
Future Outlook

Leveraging the hygiene and safety benefits of touchless control, the design flexibility to conceal the interface within decorative surfaces such as wood or metal when not in use, and customizable display and control features for different use cases, Alps Alpine plans to promote the Stealth Aerial Interface for a wide range of applications. Potential applications include smart homes and other residential equipment, gaming PCs and smartphone accessories, amusement and entertainment applications, and interactive solutions designed to attract and engage customers.

Alps Alpine is also working to reduce costs and establish a stable supply system toward practical implementation. High-cost optical components that were previously sourced externally are being brought in-house by applying Alps Alpine’s decorative printing technology, with development underway toward mass production.

Alps Alpine will continue to advance its aerial display, touchless control and haptic technologies, expanding new HMI experiences that enable intuitive interaction without physical contact into a wide range of everyday environments.





＜Contact＞
Alps Alpine Co., Ltd Corporate Communication Department
Phone: +81-50-3613-1581
E-Mail: alpsalpine-pr@alpsalpine.com