

Korean medtech firm AIMD expands world's first AI-guided video laryngoscope to global markets

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Dual Korean government recognition advances AI-guided intubation toward a new standard in airway management



AIMD Inc., a Korean medical technology company specialising in AI-powered emergency care, has announced the global expansion of A-LRYNGO™, the world's first AI-guided video laryngoscope with real-time automatic glottis recognition, as the company advances AI-guided airway management into clinical practice worldwide.

Endotracheal intubation is a critical yet technically demanding procedure performed more than 100 million times annually worldwide. Successful intubation remains highly dependent on operator experience, while failed or delayed intubation can lead to severe hypoxia, cardiac arrest and death. These challenges highlight the need for intelligent technologies that can support clinicians during critical airway procedures.

A-LRYNGO was developed to move video laryngoscopy beyond visualisation toward AI-guided procedural support. Its on-device AI automatically recognises the glottis and provides real-time visual guidance during intubation without requiring an external server or recurring AI license fee.

The core AI technology behind A-LRYNGO was developed through a national R&D programme supported by Korea's Ministry of Science and ICT (MSIT) and has progressed from government-funded research to clinical evaluation and commercialisation.

A-LRYNGO has received dual recognition from the Korean government, including designation as an 'Excellent R&D Innovative Product' by the Ministry of Science and ICT and selection as a 'Next-Generation World-Class Product'.

In Korea, A-LRYNGO is widely used across fire service and EMS organisations, with the prehospital emergency-care segment emerging as one of the technology's strongest areas of adoption.

A-LRYNGO is also gaining international validation and adoption. The technology is currently being evaluated at Mayo Clinic in the United States through a Korean government-supported overseas demonstration programme.

More than 200 units have been deployed across public hospitals in Uzbekistan, while the technology has also been adopted by the Quang Tri Department of Health in Vietnam. In Laos, A-LRYNGO is being used at the National Children's Hospital and four provincial public hospitals through a healthcare programme supported by the Korea International Cooperation Agency (KOICA).