

ToAII Video Dubbing Translation Framework

ID: 2025-016

Executive Statement:

ToAII is a groundbreaking video dubbing translation framework that synergizes human expertise and advanced AI for superior translation quality.

Technology Overview:

ToAII is an innovative technology framework designed for video, audio, and text file translations, employing automatic speech recognition (ASR), text-to-speech (TTS), and machine translation (MT) technologies. It integrates human translation inputs for high-quality outputs and allows for precise audio editing, including voice cloning capabilities. The framework supports a wide range of file formats and employs a dynamic phonemic-level programming algorithm for script alignment, significantly reducing latency in live translations.

Key Advantages:

- Seamless integration of human expertise and AI for enhanced translation quality
- Support for a wide range of file formats including text, Word, and XLIFF
- Advanced voice cloning and audio editing capabilities
- Dynamic phonemic-level programming for accurate script alignment and reduced latency
- Support for 38 languages, enhancing accessibility for underserved linguistic communities

Problems Addressed:

- Improves the quality and accuracy of video dubbing translations
- Reduces latency between the speaker's statements and their interpretation
- Offers a cost-effective solution for high-quality dubbing in multiple languages
- Enhances flexibility during live translations with fuzzy matching algorithms

Market Applications:

- Professional video dubbing for multimedia content
- Live translation services for international conferences and events
- Educational content localization for global accessibility
- Entertainment industry, including movies, TV shows, and online content