**LEXIX**

**OVERVIEW**

LEXIX is Adacel’s line of advanced speech recognition products and services designed specifically for simulation and command and control applications. Discover high accuracy in a performance-optimized system directly targeted for simulation and voice command markets and say goodbye to unreliable speech recognition engines.

LEXIX is not just another speech engine. It is built for real world performance. It obtains robust results by compensating for varying audio level and poor push-to-talk technique. LEXIX’s modern GUI, open standards (W3C) and easy implementation using LEXIX SDK makes it an ideal speech system for almost any implementation.

**PRODUCT CHARACTERISTICS**

- New technology - high accuracy recognizer
- Performance-optimized for simulation
- Supports multiple grammars
- Comprehensive vocabulary/grammar
- Open standards grammar
- Uses situational awareness to improve accuracy
- Easy command & dialog editing
- Support for “out of grammar” phrases
- Replace multiple human role players
- Capable of assuming multiple roles simultaneously
- High quality voices
- Easy implementation with the LEXIX SDK

*Bringing robust speech capabilities to ANY system*
**LEXIX SDK**

The LEXIX SDK comes with the tools necessary to easily implement a robust speech system, including a LEXIX Speech Recognition ASR run-time, LEXIX Command Audio, sample grammar (ideal for cockpit and UAV control), LEXIX Dialog Editor to support adding new phrases, API, sample code, a Unity3D sample program, documentation, and integration guide.

**LEXIX COMMAND AUDIO**

In typical simulation and training applications, instances such as soft voices in noisy environments are not taken into consideration or adjusted for, and they can have a negative effect on the system's performance. LEXIX Command Audio is a powerful system that automatically optimizes the audio input to ensure clear communications and optimal speech recognition results.

**VUI**

- Voice User Interface for simulation, games & operational systems
- Dialog with computers
- High quality voices
- Editable commands

**ACCURATE**

- New high accuracy recognizer technology
- Optimized for simulation
- Compensates for individual transmission technique

**ROBUST**

- Intelligent error reduction
- Takes context into consideration, providing more meaningful responses
- High noise applications