



ACE-2000/ENC

Live Automatic Captioning Engine with
built-in Encoder Card



The ACE-2000/ENC is a server based automatic speech recognition system that uses a cutting-edge computational linguistics program to process speech into text and caption data from audio content. For live captioning purposes, the ACE-2000 is the perfect solution for captioning content with high accuracy, low latency, and multiple output options. The ACE-2000/ENC includes a built-in caption encoder, eliminating additional equipment and creating an easy all-in-one workflow.

Server Based Solution

The ACE-2000/ENC, like all ACE series products, is an on-premise solution that does not require an internet connection to function. Although an internet connection is not required, connecting to a network provides streamlined workflows and remote GUI access. The ACE-2000 can de-embed the first two channels of audio from an SDI input. Audio from a streaming source is another way that the system can receive audio. Multiple customizations can be programmed into the units inserters including, speaker identification, number of characters per line, number of lines visible and more. Once a captioning task has been completed, a file is generated with selected transcript fields. Some of the file types include text files, caption files, subtitle files, or time coded text files.

Intuitive GUI with Extensive Customization

The ACE-2000/ENC has a user-friendly web Graphical User interface (GUI) where you can perform all relevant caption processing and administrative functions. Caption processing includes, 24 hour scheduling, event creating, task creation, creation of speaker identification, and more. Speaker identification processes voice prints of speakers to create identification tags used to denote individual speakers within the captions. As an administrator, users can be created and set up with unique parameters, tailoring the use of the ACE-2000/ENC to any environment, such as broadcast stations, university departments, school districts, and shared usage throughout a municipality. The ACE series is also capable of translating from English to Spanish, live, without an internet connection.

The ACE series US English dictionary is made up of over 500,000 words with daily language model updates to the unit when connected to the internet. The language models are continuously updated by scanning websites and internal processing of audio during system set up. Users can also load unique vocabulary such as, names, cities and geographical locations. Beyond the US English dictionary, the ACE series supports the following languages: English (US, UK, Ireland, Canada, Caribbean, Asia, India), Spanish (Spain, US-East, US-West, Puerto Rico, Latin America, Mexico, Peru, Argentina, Chile, Colombia), Catalan, French (France, Canada, Belgium, Switzerland), German, Italian (Italy, Switzerland), Swiss, Portuguese (European, African, Brazilian), Basque, and Dutch (Netherlands).

Exceptional Technical Support

The ACE-2000/ENC includes a 1-year warranty with 24/7 free customer support from Link Electronics' engineering team. Support for the ACE Series includes assistance with system set-up, training, customization, software updates and hardware coverage. The ACE series products meet the innovative, high performance, flexibility, and reliability requirements seen in all products manufactured and supported by Link Electronics.

Features

- RS 232 Captioning
- IP Captioning
- Remote GUI
- Event Scheduler
- SDI, HDMI, Analog, AES, Streaming Audio Inputs
- Selectable Caption Location and customization

- Multi-language Captioning
- Speaker Identification
- Integrates with ENPS/MOS, iN-ews, and Dalet
- Real Time Translation

- Integration with AWS and Google Cloud
- Supports Streaming with YouTube, Facebook and other platforms
- Exports Video and CC for VOD platforms



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Audio Inputs:

SDI Embedded: One 75 Ω BNC
Ethernet: TCP/IP

Caption Data Outputs:

SDI Embedded: Two (one encoded output and one decoded output)
Ethernet: TCP/IP

Internal:

CPU: Intel I7 10th Generation
RAM: DDR4
Drive: SATA 3 (6 Gb/s) Solid State Drive
Operating System: Windows 10 IoT Enterprise LTSC (Windows 10 Embedded)
Power: ATX 600W Switching Power Supply (Redundant Optional)

Rear Panel:

USB 3.2 Gen 2: Two Type A
USB 3.2 Gen 1: Two Type A
USB 2.0: Two Type A
Ethernet: RJ-45, Intel Gigabit LAN
Monitor (not included): HDMI, Display Port
Keyboard & Mouse (not included): One PS/2 or USB
Rack Mount Monitor, Keyboard, and Mouse: Optional
Rack Mount Sliding Rails: Optional

Front Panel:

USB 2.0: Two Type A
Power Switch: Rocker
Reset: Push Button
Power indication: Blue LED
Drive Activity: Red LED
Lock: Limit Access to Switches and USB

Environment:

Ambient: 0° C to 60° C
Relative Humidity: <95% non-condensing

Mechanical:

Height: 3.5 Inches (2 RU)
Width: 19 Inches
Depth: 20.8 Inches
Weight: 26.5 Lbs