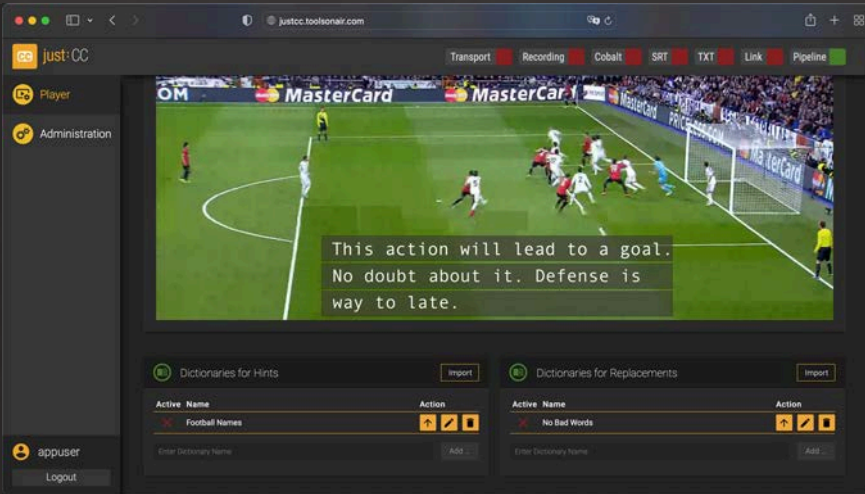




Live Closed Captions Generator and Inserter



just:CC is a realtime Live Closed Captioning solution that generates CEA-608/708 captions and inserts them into the VANC data stream of SD and HD signals.



24/7 Closed Captioning Generator/Inserter

just:CC empowers broadcasters to generate and insert Closed Captions onto their channel, even if the live signal or pre-made content does not come with CC data. Given that just:CC is an on-premise solution this is done independently of any internet connection.

As of version 1.5 of just:CC might also be deployed to run in the cloud with full support for the Amazon Transcribe (AWS) speech-to-text engine. Other transcribing engines might be integrated on request.



Leading Accuracy & Realtime Insertion

just:CC delivers the high-quality CC insertion you'd expect in a professional broadcast environment by using industry leading speech-to-text recognition technology. Depending on the content, it produces an accuracy of a stunning 90% and might perform more accurately than a human captioner in applicable cases. The tight integration of enterprise-grade server hardware, AJA video devices, and a modern browser user interface running on PC and Mac hardware, allows to generate and insert the data using a turnkey solution. Language captions in just:CC can be optionally extended where needed, based on the wide spectrum of over 45 languages supported by the Speechmatics engine.



One User Interface

just:CC's intuitive and browser-based graphical user interface empowers the operator to configure operationally critical settings, such as how the CC data is generated and how captions appear on screen.



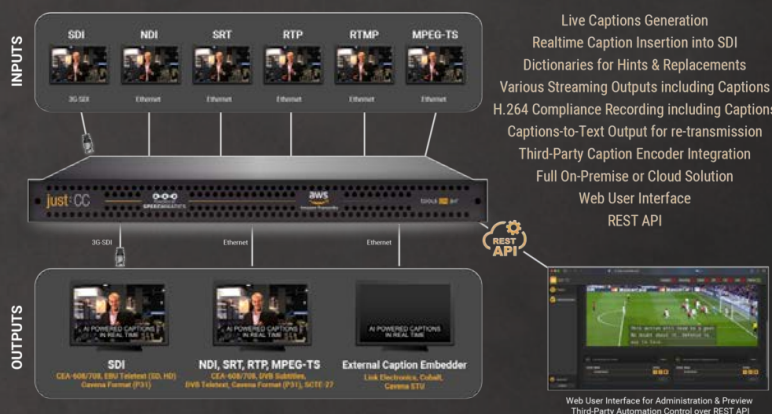
Supports of Common CC Formats

just:CC generates CEA-608/708 captions and "608 embedded in 708" CC data and can also detect and pass-through of existing CC data. Once the data is generated it is inserted into the output signal and is compatible with various external caption embedders. Next to the original SDI format support, version 1.5 adds the TS and ASI formats as well as NDI®, SRT, RTMP, RTP and MPEG-TS I/O capabilities. The available framerates include 25 fps and 50 fps in addition to the already existing 29,97 fps and 59,94 fps. Moreover, just:CC can optionally provide ready-to-run integration with a third-party transmission unit solution providing EBU and DVB Teletext, OP-47, CAVENA P31, SCTE-27, SD/HD In-Vision as well as ASI Output to DVB systems support



Easy Customisation

just:CC's intuitive and browser-based user interface allows the operator to adjust operationally critical settings, such as how the closed captions data is generated and how captions appear on screen. This includes the ability to select the target language, to define the accuracy/speed of the encoder, to force upper case captions on screen, and to refine the recognised text by adding sentences to both a White- and Blacklist. The user interface allows adjusting the on-screen appearance even during on-air operation.



System Requirements

- Linux-based enterprise-grade server with selected AJA video device
- Modern web browser running on PC or Mac hardware to control the user interface and server settings
- Supported frame rates: 25, 29.97, 30, 50, 59.94
- I/O: SDI, NDI, SRT, RTMP, RTP, MPEG-TS
- For detailed system requirements please contact sales@toolsonair.com