



Introducing the newest feature to our Hybrid live production solutions:

Live captioning

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VoCaption Live Captioning at a glance..

VoCaption is a powerful AI-driven live captioning software that provides highly accurate speech-to-text processing. This innovative software can be fully integrated into any Broadcast Pix Hybrid solution so that users can turn live captions on and off with just the click of a button within the same user interface.

The VoCaption software uses advanced speech recognition technology to take live audio and convert it to text on screen in real-time. These live captions are displayed with a short delay, typically 2-4 seconds, and with accuracy in the mid to high 90's depending on audio quality.

Integrating and running VoCaption on a Hybrid system requires no previous knowledge or training about captioning. The Broadcast Pix team is ready to help users set up this new, powerful feature and easily begin displaying accurate, live captions during their live streams and broadcasts.

Supported in over 50 languages

Arabic	Bashkir	Basque	Belarusian	Bulgarian	Cantonese	Catalan	Croatian	Croatian
Danish	Dutch	English	Esperanto	Estonian	Finnish	French	Galician	German
Greek	Hebrew	Hindi	Hungarian	Interlingua	Italian	Indonesian	Japanese	Korean
Latvian	Lithuanian	Malay	Mandarin	Marathi	Mongolian	Norwegian	Persian	Polish
Portuguese	Romanian	Russian	Slovakian	Slovenian	Spanish	Swedish	Tamil	Thai
Turkish	Uyghur	Ukrainian	Welsh	Vietnamese				

Add closed captions to your live stream with just the click of a button!

Special Features

Alternate Word Dictionary

Create a substitute list for words you don't want going on-air, as well as a capitalization list so that proper names and nouns are displayed accurately.

Purchase minutes in blocks according to your needs

Buy minutes in bulk according to how often you need to caption live content. Never overpay for what you don't need!

Custom Dictionary

Improve the accuracy of your live captions by adding a custom dictionary to VoCaption. Custom dictionaries teach the ASR software how to spell unique names, foreign words, geographical terms, and local/regional words and phrases.

Automatic EBU Timed Text file creation

EBU Timed Text (EBU-TT) supports the production and archiving of subtitles, legacy STL file transcoding and tunnelling, online distribution and live subtitling.

Why VoCaption?

When you're looking to choose a live captioning solution, we recommend you focus on accuracy, ease-of-use, and price.

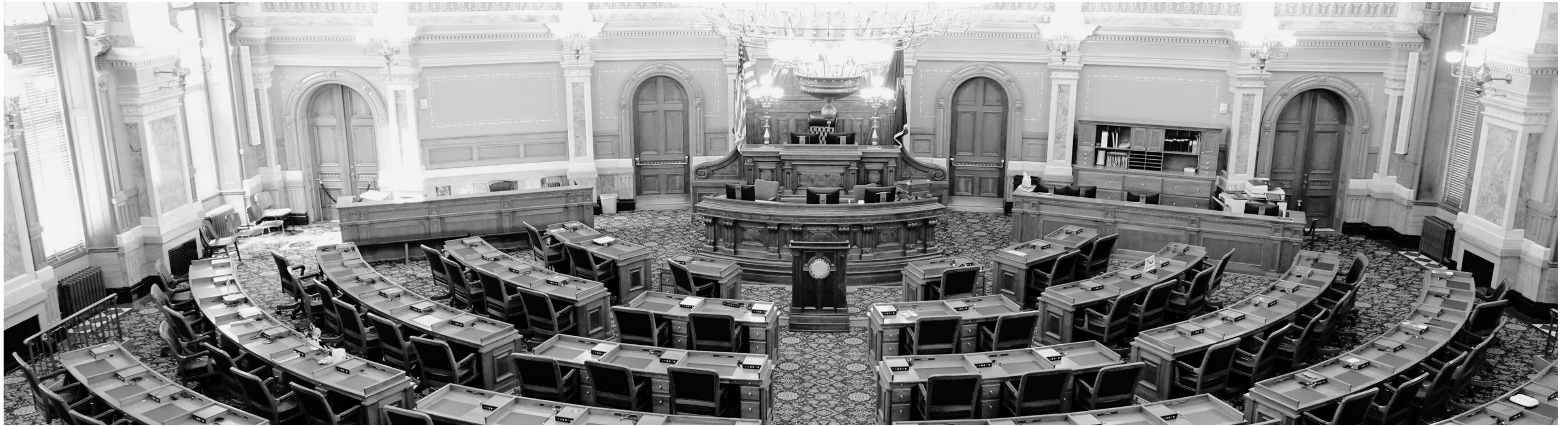
Comparing VoCaption's accuracy – Online streaming platforms only boast about 80% accuracy when it comes to the live captions they provide during streamed meetings or events. VoCaption, on the other hand, boasts over 90-95% accuracy depending on the audio quality. Users can also utilize features, such as the custom dictionary, to improve the accuracy of their live captions, a feature not offered by free online streaming services.

Comparing VoCaption's ease-of-use – VoCaption is extremely easy-to-use thanks to its full integration into Broadcast Pix's Hybrid live production systems. With the integration, VoCaption can be started and stopped during a live recording with just a click of a button. There's no need to use third-party systems to add live captions to your production.

Comparing VoCaption's price – With VoCaption, users only pay for what they need. Minutes are purchased in blocks at \$10.00 per hour (\$0.16/minute), which is much cheaper than using human captioners who charge typically \$60 – \$300 per hour.



BENEFITS OF LIVE CAPTIONING IN VARIOUS MARKETS



Government

Live captions are crucial for government broadcasts as they ensure accessibility for individuals with hearing impairments, promoting inclusivity and equal access to information. They also enhance comprehension for viewers in noisy environments or situations where sound cannot be played aloud, such as in public spaces or workplaces. Additionally, live captions aid in language translation, enabling non-native speakers to follow broadcasts in their preferred language, fostering better communication and understanding among diverse audiences.



Education

In educational settings, live captions are essential for fostering inclusive learning environments, accommodating students with hearing impairments or language barriers. They support comprehension for students with diverse learning styles, aiding retention and engagement during lectures, presentations, and multimedia materials. Additionally, live captions promote accessibility for remote learning environments, ensuring all students, regardless of their location or circumstances, can fully participate in educational activities.



Churches

Live captions in churches help ensure accessibility and inclusion for congregants who are deaf or hard of hearing, allowing them to fully engage with sermons and religious teachings. They also benefit individuals with language barriers or cognitive disabilities, facilitating better understanding and participation in religious services. Furthermore, live captions enable churches to reach a broader audience, including those who may not be able to attend in person but can follow along remotely through online platforms.



Corporate

Live captions are crucial for corporations and businesses as they enhance accessibility for employees and clients with hearing impairments, fostering a more inclusive work environment, and ensuring effective communication during meetings, presentations, and training sessions. Additionally, live captions improve comprehension and retention for all participants, especially in noisy or distracting environments, leading to more productive and engaging interactions.



Live Events

For live events, ensuring accessibility for all attendees, including those with hearing impairments, is essential for fostering inclusivity and engagement throughout the event. Captions provide an additional layer of comprehension, aiding audience members in understanding the content being presented, especially in environments where audio quality may be compromised.



Sports

In live sporting events, captions play a critical role in ensuring that viewers, including those who are deaf or hard of hearing, can fully engage with the game by providing real-time commentary and insights. By offering accessibility through captions, sporting events become more inclusive, allowing a broader audience to experience the excitement and passion of the game regardless of their hearing abilities.



Broadcast

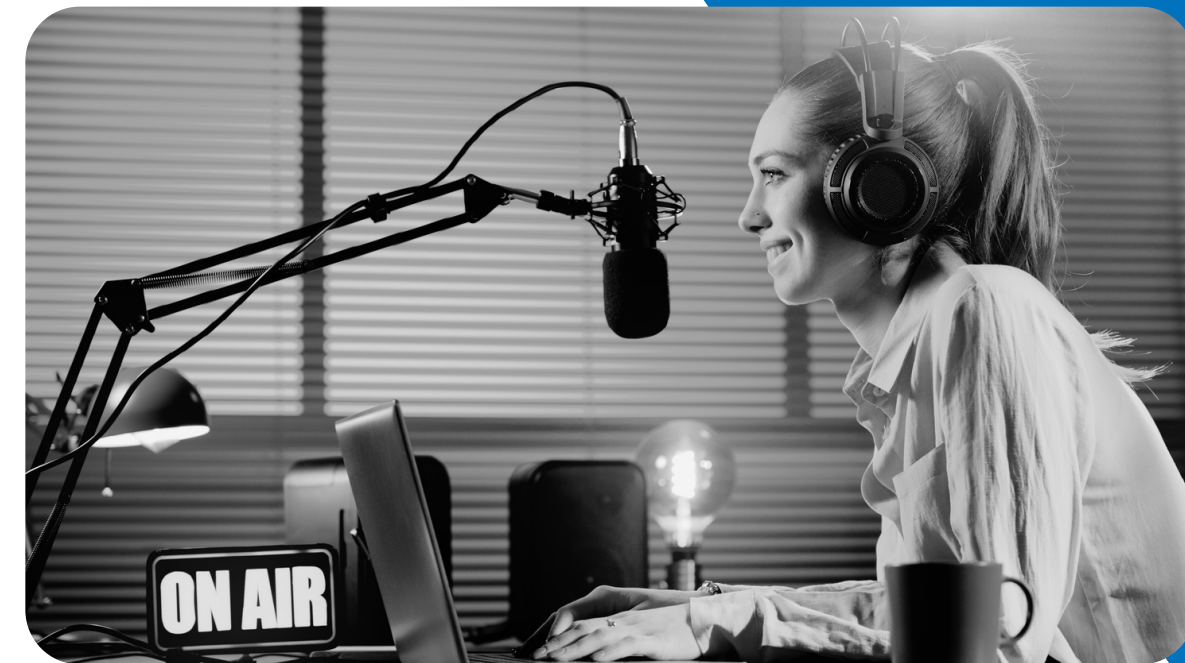
In the realm of live broadcast, particularly within the context of live news, captions serve as a vital tool for delivering information effectively, ensuring that all viewers, including those with hearing impairments, can stay informed in real-time. By providing accessible captions, broadcasters enhance the reach and impact of their news coverage, fostering inclusivity and enabling broader audience engagement with current events.





Streaming

Incorporating live captions into a live stream boosts SEO by providing textual content that search engines can index, enhancing the discoverability of the content. This improves the likelihood of the live stream appearing in search results, driving organic traffic and increasing visibility for the event or broadcast.



Visual Radio

Adding live captions into a live visual radio show enhances its potential for ranking well on YouTube and social media platforms by improving accessibility and engagement. Captions make the content more searchable, shareable, and appealing to a broader audience, ultimately boosting viewer retention and interaction metrics, which are favorable for algorithms determining ranking positions.

Vocaption in Action



Freedom's wings, they soar so high,
Breaking chains beneath the sky.



FAQ's

How does VoCaption work?

VoCaption uses ASR or VoCaption uses ASR (automated speech recognition) software for speech-to-text processing and converts the spoken language into words on the screen so viewers can read the subtitles while they watch the program.

How accurate is it?

Accuracy has improved dramatically over the last few years thanks to advancements in computer hardware and software development. However, accuracy also depends on the quality of the audio; the presence of background noise or music; the number of speakers; whether the speakers talk over each other and how fast they talk. As an example, a single speaker talking at a normal speed will generate accuracy levels in the 90 to to 99% range. Background noise or other speakers can reduce the accuracy level somewhat but this is also true with human captioners

Accuracy can be greatly improved using VoCaption's Alternate Words Dictionary and Supplemental Words Dictionary of local and special names or terms.

Can I achieve 99% accuracy?

99% accuracy depends on a number of things including quality of the audio, the number of speakers, cross talk by those speakers, background noise, music, use of localized or foreign words etc. Given those variables neither machine nor human can maintain 99% accuracy for a full, live broadcast.

The FCC rules for US broadcasters do not provide an accuracy benchmark but instead say: FCC rules for TV closed captioning ensure that viewers who are deaf and hard of hearing have full access to programming, address captioning quality and provide guidance to video programming distributors and programmers.

The rules apply to all television programming with captions, requiring that captions be:

Accurate:

Captions must match the spoken words in the dialogue and convey background noises and other sounds to the fullest extent possible.

Synchronous:

Captions must coincide with their corresponding spoken words and sounds to the greatest extent possible and must be displayed on the screen at a speed that can be read by viewers.

Complete:

Captions must run from the beginning to the end of the program to the fullest extent possible.

Properly placed:

Captions should not block other important visual content on the screen, overlap one another or run off the edge of the video screen.

Obviously, our goal is to provide the most accurate speech-to-text conversions possible, given the quality of the audio.

To that end, we provide two additional ways to improve accuracy:

- **Custom Dictionary:** A custom dictionary is available to include local, regional and hard to pronounce words, names and geographical places and references, including foreign names and words so you can pre-load these items into the system.
- **Alternate Words Dictionary:** In addition, we provide an alternate words dictionary that you can populate to swap out words you don't want going to air, ensure certain words are capitalized or referenced properly to match the needs of your audience.

Additionally, the entire vocabulary of the speech engine is updated quarterly to ensure continued improvement

The need for live captioning

All live content should include accurate live captions. Historically, captions have only been necessary for individuals who are deaf or hard-of-hearing. Now, captions provide benefits to all viewers and are often preferred by many viewers across all generations.

Here's a variety of reasons why a live production needs captioning –

- 1.The viewer is hearing impaired or deaf
- 2.English is a second language
- 3.Poor audio at the source
- 4.Poor local acoustics
- 5.Lousy audio speakers in new flat screens
- 6.Background noise – bar or restaurant
- 7.Music overpowers the speaker
- 8.Crowd noise-sporting event; noisy kids at home, etc.
- 9.Speaker talks too fast
- 10.Speaker talks with a heavy accent
- 11.Speaker mumbles
- 12.Speaker talks too softly
- 13.Multiple speakers talking over each other
- 14.Viewer is in a location where sound cannot be used
- 15.Viewer needs the captions to improve comprehension
- 16.Viewers prefer to read

LEARN MORE ABOUT OUR VOCAPTION INTEGRATION

Our partners at BroadStream Solutions have helped our team to fully integrate their VoCaption product into our Hybrid solutions.

You can learn more about the VoCaption solution on BroadStream’s website [here](#).

[Visit our website](#) to learn more about the VoCaption integration into our Hybrid solutions.

Contact your sales representative to learn more and to set up a live demo!

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