



Live Automatic Captions + Translation + Broadcast-Grade Accuracy

The Caption Imperative

What began as a compliance requirement for those with some degree of deafness or hearing loss, has grown in popularity for audiences with different degrees of hearing loss and those who use captions by default because it improves their overall viewing experience. This growth is occurring in multiple regions, platforms, and demographics as seen by the numbers below. For broadcast engineers, accessibility managers, content providers, and advertisers, captions should be a core operational and commercial priority, not an afterthought.

1.5B

hard-of-hearing
audiences (WHO)

89%

of viewers globally
have used subtitles or
captions; most use them
regularly. (Preply)

+40%

increase in video
completion rates when
captions are present
(Verizon/Publicis Media)

Sources: WHO Fact Sheet on Deafness and Hearing Loss; Preply global subtitle survey; Verizon/Publicis Media study/

Captions Are No Longer Just an Accessibility Feature

Across every region, younger audiences in particular have adopted captions as a default preference, not an accommodation.

72%

of viewers worldwide turn on
subtitles due to poor audio
quality.

42%

say captions help
them concentrate.

92%

of mobile viewers watch with
sound off in public spaces.

With live streaming eclipsing traditional broadcast in total viewing hours across multiple markets (Nielsen, 2025), the demand for real-time captioning now extends across linear TV, OTT, live events, and corporate broadcast, in every language and time zone.

THE BUSINESS CASE

Cost Reduction

Significant savings over professional captioner rates worldwide. Pay only for minutes used not full-shift minimums or agency retainers.

Compliance Across Markets

One platform. Compliant everywhere: UK, EU, North America and beyond

Archive & Metadata

EBU-TT or SRT files are created that are editable, searchable, and ready for repeat transmissions, regional versioning, and social publishing in multiple languages.

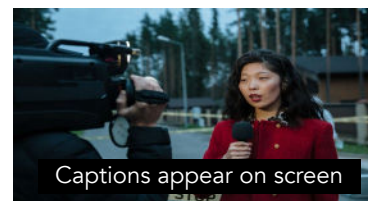
Audience Reach

Serve the 1.5 billion people worldwide living with hearing loss, plus the much larger majority who choose captions anyway. Improve ad viewing, completion, and content discovery in every market.

VoCaption FILLS THE VOID FOR LIVE, REAL-TIME CAPTIONS

VoCaption uses Automatic Speech Recognition (ASR) to create captions and subtitles for live broadcasts. It ingests program audio, processes it through the Speechmatics speech engine and outputs to downstream encoders, inserters, and archiving systems, via a single 1RU hardware appliance or as a software integration within Polistream, OASYS Integrated Payout and Broadcast Pix live production solutions as well as 3rd party inserters.

How it works:



AUDIO IN

- Line In / Mic
- HD-SDI or HDMI
- SMPTE 2110-30/31
- AES 67
- Transport Stream

VOCAPTION

- ASR engines
- Custom dictionaries
- Alternate words / profanity filter
- Text formatting & timing
- Auto caption-absence detection

OUTPUT

- EIA 608/708 Closed Caption Encoders
- Teletext Subtitle Inserters
- DVB Subtitle Encoders
- Polistream Multi-Channel Subtitling
- EBU-TT or SRT file archive

Key Capabilities



Custom Dictionaries

Multiple domain-specific vocabulary sets improve recognition accuracy for proper nouns, technical terms, regional geography, and on-air talent names, without retraining.



EBU-TT & SRT File Output

Produces an archival transcript in EBU-TT or SRT format. It's a ready source of searchable metadata for SEO, replays, social media or record keeping.



Profanity Filter & Alternate Words

Automatic substitutions protect brand safety across news, sports, and live events. Rules are configurable on a per channel or show type.



Usage-Based Billing

Pay only for active captioning time. Ideal for news, breaking stories, sports, weather, religious programs, and corporate broadcasts.



Caption Absence Detection

When paired with Polistream it monitors missing caption files and can activate VoCaption automatically. Great for emergency alerts and un-attended operations. Check with for your use-case.



50+ Languages

We cover over 50 languages for multilingual broadcast facilities and international content providers to caption all channels from a single platform.



Re-speaking Workflow Support

Compliment human captioners rather than replace them. ASR handles routine programming while captioners focus capacity on complex live events to reduce costs.



Speaker Change

VoCaption supports speaker change using colors to identify individual speakers.

New Features for 2026

- **Translation** - VoCaption now supports translation to/from English and over 30 other languages (cloud-hosted AI only), output is best delivered as subtitle-by-subtitle blocks with a video delay to allow for the additional processing delay.
- **Improved Block Captions** - VoCaption now uses punctuation and speech cadence to create more natural break points (EBU-TT output only), with the option to delay output by a few seconds to allow time for block formation and ensure synchronization with the audio for the start of the block. This mode is also ideal for use with the new translation capability described above.
- **File Correction** - A new Transcript Editor (TEDI) allows users to correct AI transcription and/or translation errors prior to re-use of live captions on later repeat broadcast or streaming.
- **New User Interface** - Control and configuration are now an integrated part of the VoCaption application, no need to run a separate web browser.
- **Integrated audio server** - Local audio input is now a standard component within VoCaption itself, for most use cases there is no longer a need to install the separate "audio server" element. There have also been associated improvements to simplify the selection of audio feeds.
- **Improved file outputs** - File outputs are now built with caption breaking techniques normally associated with recorded program workflows, using punctuation and speech cadence to create more natural break points; WebVTT has also been added as a new output format.
- **Improved on-premises accuracy** - VoCaption now supports GPU processing for transcription, providing support for bilingual language models and accuracy improvements across all languages.
- **New languages** - Including new Asian bilingual languages (Mandarin/English, Malay/English, Tamil/English), Tagalog/Filipino and Ukrainian.

50+ LANGUAGES SUPPORTED

Powered by Speechmatics ASR, VoCaption supports over 50 languages including all official European languages plus others from around the world. With regular vocabulary and feature updates, coverage continues to expand alongside your broadcast footprint.

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

Translation for Transcription and Captions or Subtitles

Bulgarian	Catalan	Croatian	Czech	Danish
Estonian	Finnish	French	Galician	German
Greek	Hindi	Hungarian	Italian	Indonesian
Japanese	Korean	Latvian	Lithuanian	Malay
Mandarin	Norwegian	Polish	Portuguese	Romanian
Russian	Slovakian	Slovenian	Swedish	Turkish
Ukrainian	Vietnamese			

Bi-Lingual Language Pairs

English/Spanish - English/Malay - English/Mandarin - English/Tamil

Who Uses VoCaption Live

Broadcast & News



24-hour news, live sports, and local or national programs where breaking content cannot wait for a typist to connect, in any language or time zone.

Government & Public Sector



Parliaments, councils, public hearings, local, state and Federal governments with statutory accessibility obligations and automatic archiving for compliance and transparency

Religious Organizations



Services and events streamed to global congregations, often with small production teams and no in-house captioning resource.

Education & Corporate



Lectures, all-hands broadcasts, and training content where captions improve comprehension, support multilingual audiences, and generate reusable transcripts.

Advertising & Content



Reach the audiences that expect captions as default to improve completion rates, ad recall, and close the accessibility compliance gap across markets.

Caption Output Protocols

- Ctrl+A, Serial & IP (EIA 608/708)
- Newfor, Serial & IP
- EBU-TT Part 3, WebSockets over IP

Platform Integrations

- Polistream Multi-Channel Subtitling System
- OASYS Integrated Playout (software option)
- Broadcast Pix Live Production Streaming (optional)

Deployment Options

- On premises or cloud

HARDWARE SPECIFICATIONS

Chassis	1RU Rackmount
Processor	Intel Xeon-E2300
Memory	16 GB DDR-3200 2RX8 ECC VLP UDIMM
Power	Redundant 400 W
OS	MS Windows Server 2025
Expansion	Optional cards for audio or subtitle insertion

Ready for a demo or deeper technical discussion?

Contact your nearest BroadStream office or visit broadcaststream.com to arrange an evaluation.

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