Real-Time AI Interpreter
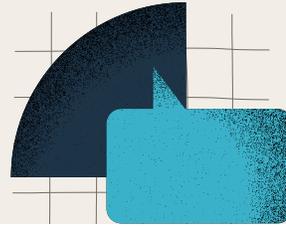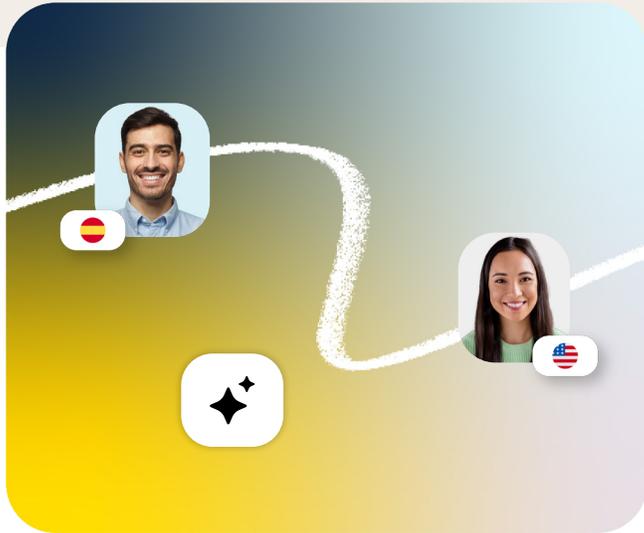
Turn-based, real-time speech interpretation powered by AI

BIG LANGUAGE SOLUTIONS

Break language barriers instantly

BIG Language Solutions' Real-Time AI Interpreter delivers fast, accurate, turn-based speech-to-speech translation that mirrors the experience of working with a human interpreter. It transcribes speech, translates it, and produces natural audio with low latency, supporting smooth multilingual conversations without waiting for a live interpreter.

Cloud-based and easy to deploy, the Real-Time AI Interpreter works across telephony, web, and **InterpVault™**, making global communication accessible in moments.

What the Real-Time AI Interpreter delivers

Natural AI voices

Lifelike audio output creates a clear, **human-like** listening experience.

Custom glossary support

Upload **specialized terms** to improve accuracy for healthcare, legal, technical, and brand-specific language.

Real-time speech-to-speech translation

Bi-directional, on-demand interpretation that supports natural, turn-based conversations across **15+ languages**.

Reliable accuracy

Achieves **~90% accuracy** depending on audio clarity. Continuously selects the best AI models for each language pair.

Secure & compliant

Encrypted end-to-end with **HIPAA-aligned** safeguards for conversations involving protected or sensitive information.

Built for everyday workflows

✓ **Works where you do**
Integrates seamlessly with **InterpVault™**

✓ **Cloud-based and scalable**
Use on laptops or desktops supporting customer calls, meetings, trainings, or large events.

✓ **Hybrid interpretation capabilities**
When needed, users can switch to a live interpreter with integrated scheduling, sign-language support, captions, and in-session chat.

How it works

1 **Capture**
Listens for speech and detects turn-taking

2 **Transcribe**
Converts audio to text **(ASR)**

3 **Translate**
Uses **MT** tuned per language and domain

4 **Speak**
Generates natural-sounding translated speech **(TTS)**

*A **modular AI pipeline** ensures flexibility, reliability, and performance, while keeping latency low.*

5 **Monitor**
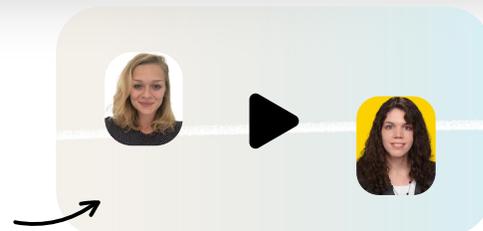User has the option to switch to a human interpreter at any time

Why organizations choose Real-Time AI Interpreter

✓ **Instant access**
without scheduling delays.

✓ **Lower cost**
than traditional interpretation.

✓ **Consistent quality**
across locations and teams.

✓ **Sustainable**
alternative that reduces travel and equipment needs.

✓ **Designed for enterprise scale**
with APIs, analytics, glossary management, and role-based access.

See it in action

Experience fast, natural, multilingual communication, without the wait. **Let's talk.**

Trust Every Word™

BIG Language Solutions is how even the most complex organizations can finally trust every word of their interpretations and translations. That's because you know the work will get done by experts in your industry, exactly when and how you need it.

Contact us

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biglanguage.com