

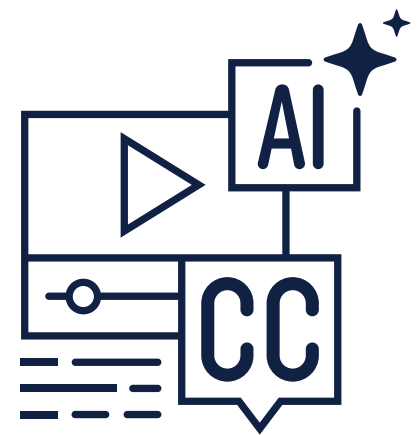


AI Caption

Automated Captioning,
Synchronization, & Localization
Across Media Workflows

A Unified Captioning Platform Across the Telestream Ecosystem

AI Caption is a core AI-powered technology that automatically creates, synchronizes, verifies, and translates closed captions and subtitles. Rather than being a single, standalone product, this technology is seamlessly integrated across multiple solutions within the Telestream ecosystem, enabling organizations to deploy automated captioning wherever it best fits their workflow.



Specifically, users can leverage AI Caption locally through Stanza for caption creation, editing, synchronization, and translation; in the cloud through EDC as a scalable Speech-to-Caption service; or through Qualify for automated synchronization verification. Within Vantage, a unique integration with Stanza allows organizations to automatically generate captions as part of larger automated workflows, while also supporting burned-in subtitle extraction, timing verification, and display issue detection for enterprise-scale processing.

Ultimately, by delivering this common set of AI-powered captioning capabilities across the Telestream ecosystem, AI Caption provides a unified approach to accessibility, localization, compliance, and content discoverability across modern media workflows.

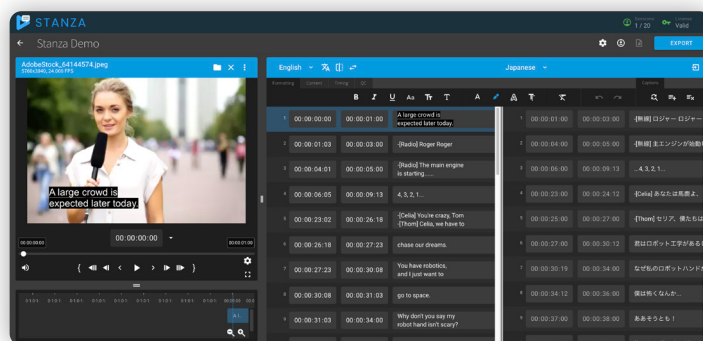
The Challenge: Manual Captioning and Localization Don't Scale

Media organizations face significant challenges when manually creating, synchronizing, and translating captions and subtitles, resulting in slow turnaround times and labor-intensive workflows. Ensuring perfect synchronization between spoken language and text is a complex quality control hurdle, particularly because organizations must handle both closed captions (which are embedded directly into the media file) and subtitles (which are often delivered as a separate file alongside the media).

Furthermore, delivering content to global markets requires navigating different regional nuances—such as strict North American broadcast standards that impose caption timing, reading speed, and character limitations—making localization and multi-country content delivery a major operational bottleneck.

The Solution: A Unified, Deploy-Anywhere AI Captioning Engine

AI Caption solves these challenges by delivering a common set of AI-powered speech and language technologies across the Telestream ecosystem. Whether deployed locally through Stanza, within automated Vantage workflows, through Qualify for synchronization verification, or in the cloud via EDC, users can access the same core captioning capabilities wherever they work.



The technology automates speech-to-text transcription to rapidly generate captions and subtitles, eliminating the need for manual typing and significantly reducing turnaround times. Through Vantage's integration with Stanza, organizations can also automate caption generation as part of larger media processing workflows, enabling scalable caption creation across high-volume content libraries.

To solve synchronization bottlenecks, AI Caption powers automated Caption Sync and Subtitle Sync capabilities within Stanza and Qualify, verifying that captions and subtitles remain aligned with spoken audio. The technology can also extract burned-in subtitles, validate timing alignment, and identify display issues that may impact accessibility or viewer experience.

For localization, AI Caption provides rapid multi-language translation to support global content distribution. Beyond traditional captioning workflows, the same AI technologies generate searchable text metadata for Media Asset Management (MAM) systems, archives, and content libraries, making spoken content easier to discover and reuse.

Scalable Captioning Across Modern Media Workflows

By embedding AI-powered captioning capabilities into the media workflows organizations already use, Telestream AI Caption transforms labor-intensive caption creation, synchronization, translation, and quality control tasks into scalable, automated workflows. Whether deployed on premises, in the cloud, or as part of enterprise automation pipelines, AI Caption helps organizations accelerate content delivery while improving accessibility and compliance.

The benefits of AI Caption are:



Flexible Deployment

Deploy AI Caption where it best fits your workflow. Create, edit, and translate captions in Stanza, automate large-scale caption processing through Vantage, verify synchronization in Qualify, or leverage cloud-based Speech-to-Caption services through EDC.



Faster Turnaround Times

Generate captions and subtitles in minutes instead of hours, dramatically reducing manual transcription efforts and enabling faster content delivery to broadcasters, streaming platforms, and global audiences.



Automated Synchronization Verification

Reduce manual quality control by automatically verifying synchronization between spoken audio and both embedded closed captions and standalone subtitle files.



Global Reach & Localization

Expand into new markets with AI-powered translation capabilities that support multi-language content preparation and international distribution workflows.



Versatile Caption Outputs & Metadata

Create broadcast-ready captions and subtitles, extract subtitles, or generate searchable text metadata that can be ingested into Media Asset Management (MAM) systems, archives, and content libraries.



Reduced Operational Costs

Automate repetitive captioning and synchronization tasks, allowing editorial and operations teams to focus on content review, localization, and quality assurance rather than manual transcription.



Compliance & Accessibility

Support accessibility initiatives and regulatory requirements by generating accurate captions, validating synchronization, detecting display issues, and helping ensure content is accessible to audiences worldwide.



Enterprise-Scale Workflow Automation

Integrate AI Caption into Vantage workflows to automate caption generation, translation, extraction, and validation across large content libraries and high-volume media operations.

Learn more about AI Caption:
telestream.com/practical-ai



Ready to scale your media
operations with confidence?
Contact us at telestream.com/contact-us