

# XL8's LiveSubs Leverages Zixi Integration for Real Time Translation Applications

## CREATE REAL TIME SUBTITLES USING THE POWER OF STATE OF THE ART AI

### HIGHLIGHTS

#### ZIXI INTEGRATED PRODUCT: LIVESUBS

#### KEY FEATURES:

- Create real time subtitles using XL8
- Multiple language pairs
- Native Integration with Zixi for receiving and streaming
- Requires a one-time setup with XL8 per subtitled stream.
- High Accuracy – Ex. 95.8% accuracy for English to Latam Spanish, based on source audio quality.

## LIVESUBS CREATES SUBTITLES FOR BROADCASTERS AND LIVE STREAMS IN REAL-TIME USING THE POWER OF STATE-OF-THE-ART AI

Media companies are under increasing pressure to meet the worldwide demand for hyper-localized translated media in the live distribution space. XL8's LiveSubs Zixi integration supports live subtitling and translation for real-time broadcasts using proprietary translation engines trained on media and entertainment content.

## SECURE AND RELIABLE VIDEO TRANSPORT WITH ZIXI AVAILABLE ON XL8 PRODUCTS

Customers using XL8's LiveSubs can accept as well as broadcast streams from Zixi enabled live sources and to Zixi Broadcaster target destinations. This allows users to deliver streams at ultra low latencies with greater bandwidth efficiencies, safely and securely over the internet with dynamic FEC and ARQ combining to ensure smooth delivery over lossy networks. The LiveSubs Zixi integration means that no additional conversion point is required and streams can be ingested real time to take advantage of XL8's AI trained engine, which is essential to the subtitle application as low latency is one of the key requirements. Leveraging the bandwidth efficiency and reliable delivery included with the integration, users can offer subtitling services to a wider audience.

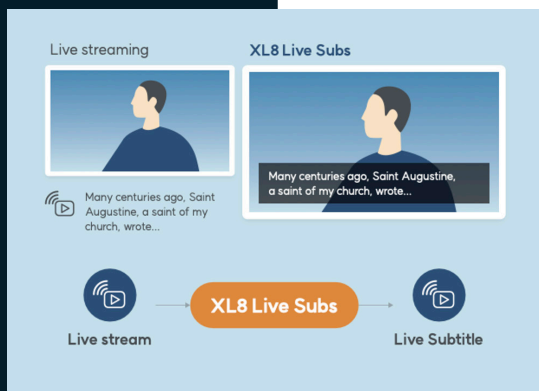
## REAL TIME SUBTITLES POWERED BY STATE OF THE ART AI

LiveSubs allows customers to take their Zixi stream and generate live subtitled languages, for example from an English source, to create regionalized Spanish subtitles.

Take an existing Zixi stream and feed it to XL8's LiveSubs engine to generate live subtitle streams for new and existing markets. This allows content to reach markets where source language is not commonly spoken, facilitating an extended reach in markets where having subtitles can increase the scope of an event and generate interest from sponsors.

## DELIVER UNPARALLELED ACCURACY IN TRANSLATION WITH THE RELIABILITY OF ZIXI

XL8's integration of Zixi enables users to send content to the LiveSubs engine to translate and generate subtitles reliably over any network including unmanaged internet networks. Leverage the Zixi Enabled Network to deliver in and out of the LiveSubs translation module and take advantage of an automated translation system that is 100% unique, using data trained on Media and Entertainment content that is not available through any other MT platform.



Real Time Subtitles are generated on a live stream using state of the art AI trained on media and entertainment content.



Users can easily connect any Zixi Broadcaster output to XL8, and once translated feed the stream back to Zixi Broadcaster for further processing and distribution. The integrated offering requires an account with XL8 that is as easy as entering a credit card at XL8.ai, with monthly and enterprise pricing plans.

Zixi's reliability, reach and global footprint help customers provide a better quality of service to subscribers and reach a global audience. Integrated with ZEN Master, broadcasters can send and receive streams into XL8 and monitor telemetry data points.

## INTEGRATED HIGH-EFFICIENCY PROCESSING AND DELIVERY SUPPORTS CUTTING-EDGE WORKFLOWS

With integrated Zixi protocol support, XL8 customers have access to the industry leading performance, efficiency, security and reliability that the Zixi SDVP enables. XL8's media processing engine connects to Zixi Broadcasters, leveraging the market leading Zixi protocol, unlocking valuable features that operations have native access to, including:

- Bonded Delivery**  
 Combines disparate topologies including 5G, LTE, Leased Lines and Unmanaged Internet, dynamically adjusting for fluctuating bandwidth, network congestion, packet loss and latency differences
- Lower bandwidth requirements**  
 Content aware stream optimization, lower overhead dynamic error correction and congestion aware video routing
- Sequenced hitless failover**  
 An improvement on SMPTE 2022-7, applies Zixi optimized alignment algorithms to re-create a single coherent uninterrupted stream out of multiple stream fragments
- Content Encryption**  
 Secure content with End-to-end strong AES-256 content encryption
- Session Security**  
 Manage Access with Session Establishment Whitelisting & Password Protection
- Connection Validation** Confidently Delivery with Zixi Exclusive DTLS Secure Certificate Validation & Strong Cipher Protection
- Advanced Monitoring**  
 Live content quality analysis including ePSNR/eVMAF scores, impairments detection like frozen video and silent audio, TR101-290 measurement and the widest range of live and trending KPIs help operations teams understand the health, quality and performance of their live events and linear channels.

**Create LiveSubs Request** ✕

Enter Your Live Stream URL (HLS/RTMP/ZIXI) \*

zixi://zixi.worker.xl8.ai/nbcnews

(example: zixi://foo.bar/stream-id)

Output \*

ZIXI

Zixi Target URL \*

zixi://zixi.worker.xl8.ai/pull

Add a new input stream (Push type) on your Zixi Broadcaster to receive the translated stream.

Source Language \*

English

Target Language \*

ES Spanish (Latin America) ✕

Duration (hours) Optional

1

Cancel
Create

UI highlighting integration of Zixi in XL8's LiveSubs Platform.

### ABOUT XL8

A Silicon Valley tech company at its core, XL8 takes AI-powered machine translation (MT), specially optimized for media content, to the next level. Its advanced technology allows significantly more efficient workflows by providing: in-line editing, automated media transcription with time coding, automated subtitling, synthesized voice dubbing, real-time meeting interpretation, and live subtitling. XL8's uniquely specialized translation engines have been built from the ground up utilizing professionally trained, human-perfected subtitles curated from the media industry's top content producers.

<https://www.xl8.ai/> | [contact@xl8ai.com](mailto:contact@xl8ai.com)

### ABOUT ZIXI

Zixi provides the cloud based and on-premise Software-Defined Video Platform that enables reliable broadcast-quality video delivery over any IP network, any protocol, any cloud provider and any edge device. Over 15+ years, the Zixi Enabled Network (ZEN) of partners has grown to over 400+ OEM and service providers with whom Zixi serves well over 1,000+ customers representing most of the top media brands around the world with 20,000+ channels delivered daily, with 110,000 deployed instances in over 120 countries, gathering over 9 billion data points a day while delivering over 100,000 live sporting events a year.

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