

Softvelum Integrates Award Winning Zixi Protocol

SOFTVELUM'S SUPERIOR MOBILE STREAMING PLATFORM LARIX BROADCASTER LEVERAGES ZIXI TO CONTRIBUTE AND RECEIVE FEEDS USING MOBILE APPLICATION

HIGHLIGHTS

SOFTVELUM INTEGRATES ZIXI

Softvelum's Larix Broadcaster leverages the Zixi protocol to deliver and monitor feeds reliably over public networks using mobile devices.

KEY FEATURES:

- Output streaming protocols: Zixi, RTMP, NDI, WebRTC/WHIP, RIST, RTSP and others
- Multiple simultaneous connections to different destinations
- Bonded Zixi outputs using 4G/5G with Wi-Fi
- Adaptive output bitrate
- SEI metadata insertion
- Pause and stand-by streaming modes
- AVC/H.264, HEVC/H.265 video codecs
- Devices cameras' and image manipulation
- Dolby HDR support
- Audio control and external audio devices support
- Audio-only and video-only streaming
- Web and graphics overlays
- Easy configuration propagation via Larix Grove
- Talkback for talking with the studio

LARIX BROADCASTER: AN APP FOR CAPTURING AND STREAMING ZIXI FROM MOBILE DEVICES

Live production teams utilizing remote contribution often require an affordable mobile application to create live streams and deliver them reliably to a production facility using readily available smartphones over conventional networks like cellular and Wi-Fi, avoiding the need for professional cameras and expensive uplinks. Larix Broadcaster allows remote contributors and streamers to create and deliver live streams by utilizing full image processing features of mobile devices and deliver the content via any conventional networks using state-of-the-art Zixi and other streaming protocols. With advanced connectivity capabilities like adaptive bitrate and multiple connections, this software streaming application is suitable for any production environment, and with integration of Zixi's award-winning Software Defined Video Platform (SDVP) users can now directly stream to a Zixi Broadcaster or a technology partner leveraging the reach of the global Zixi Enabled Network. This eliminates the need for any external conversion and delivers high performance content reliably over lossy and unpredictable public networks. This integration enables a wide range of applications such as:

- **Live Streaming**
Single-device live streaming of events such as conferences, music shows, sports, sermons, weddings, festivals and more.
- **Remote Contribution**
Remote talents deliver content to live production studios from various locations.
- **IRL Streaming**
Live IRL streamer who streams daily activities and events on the go using a phone, power rack and audio.
- **Redundant Workflows**
Professional events with amateur tools as back up paths or additional feeds.
- **REMI**
Modern remote integration models involve end-user devices as a legitimate source of content



Larix Broadcaster for iOS
iOS app for capturing and streaming on iPhone and iPad





ZIXI ENABLED NETWORK ENABLES WORLDWIDE REACH FOR SOFTVELUM'S MOBILE APPLICATION USERS

Zixi's Software Defined Video Platform and its network of 1000+ media companies and 400+ technology partners enable Softvelum's Larix Broadcaster users to effortlessly deliver content at scale, reliably and securely. Users can install the Larix Broadcaster application available on iOS app store and utilize the powerful image processing features of the mobile devices to stream high quality content using the Zixi protocol while having access to performance metrics throughout the entire network chain, giving operators complete visibility into the entire workflow. This integration allows content creators and live production teams to leverage Zixi's industry leading video over IP technology to deliver and contribute video to and from global markets via the cloud and take advantage of unique features such as:

- **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
- **Network Efficiency**
Reduces egress costs up to 30% - 50% when compared to other protocols
- **Compute Efficiency**
Reduces compute costs up to 50% by utilizing highly efficient ARM based processors
- **Connection Validation**
Industry leading security including DTLS connection security and content encryption
- **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
- **Reliability**
Enhanced stream resilience with congestion aware routing and patented dynamic forward error correction (FEC)
- **Quality Optimized Delivery:** Quality optimized delivery with content aware bandwidth shaping

ABOUT SOFTVELUM

Furtree Systems, Inc. d.b.a. Softvelum creates software solutions for streaming media industry. The company provides full stack of cost-effective technologies with reduced power consumption. This includes Nimble Streamer software media server for media processing and delivery, as well as Larix Broadcaster mobile streaming apps for remote live streaming contribution. www.softvelum.com | sales@wmspanel.com

ABOUT ZIXI

Zixi provides the cloud based and on-premises Software-Defined Video Platform (SDVP®) that enables reliable broadcast-quality video delivery over any IP network, any protocol, any cloud provider and any edge device. The company offers technologies for broadcasters, enterprises, over-the-top video providers, sports leagues, service providers, cable operators and Telcos around the world, giving them the lowest TCO in the industry. Many of Zixi's clients are delivering and managing thousands of streams, and there is no other alternative in the market that can provide 99.999%+ reliability at scale. Zixi simplifies building and managing congestion-aware live video routes on any network, with support for 18-protocols across any operating environment, with products that are purpose built to provide market leading performance, universal interoperability and an operational control plane that simplifies management and orchestration at scale. With 15+ years of innovation and expertise, the Zixi Enabled Network has grown to over 1000+ media customers and 400+ OEM and service providers that deliver 20,000+ channels 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. This powerful ecosystem of the largest media organizations in the world exchanging live video allows for the creation and acceleration of new content acquisition, business models, and opportunities to reduce cost and generate revenue. www.zixi.com | sales@zixi.com