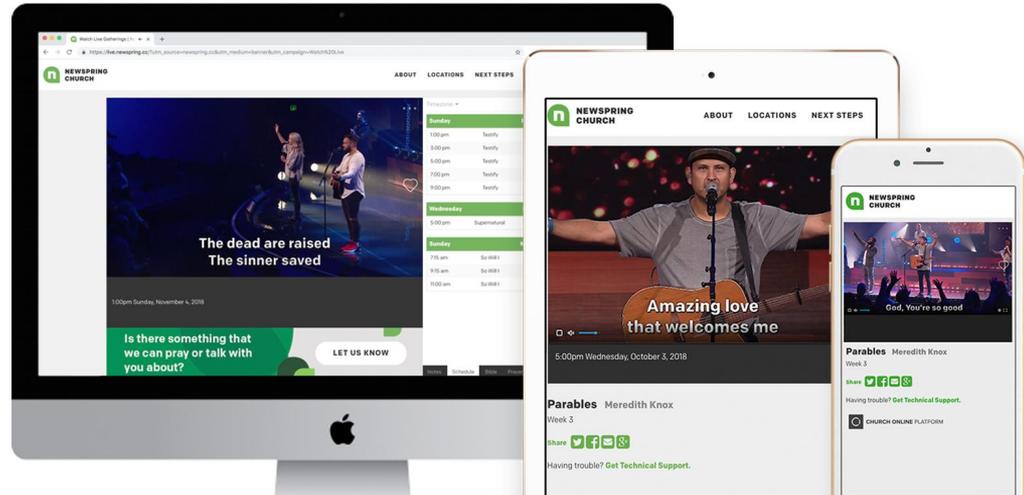




# Web Platform Solution Overview

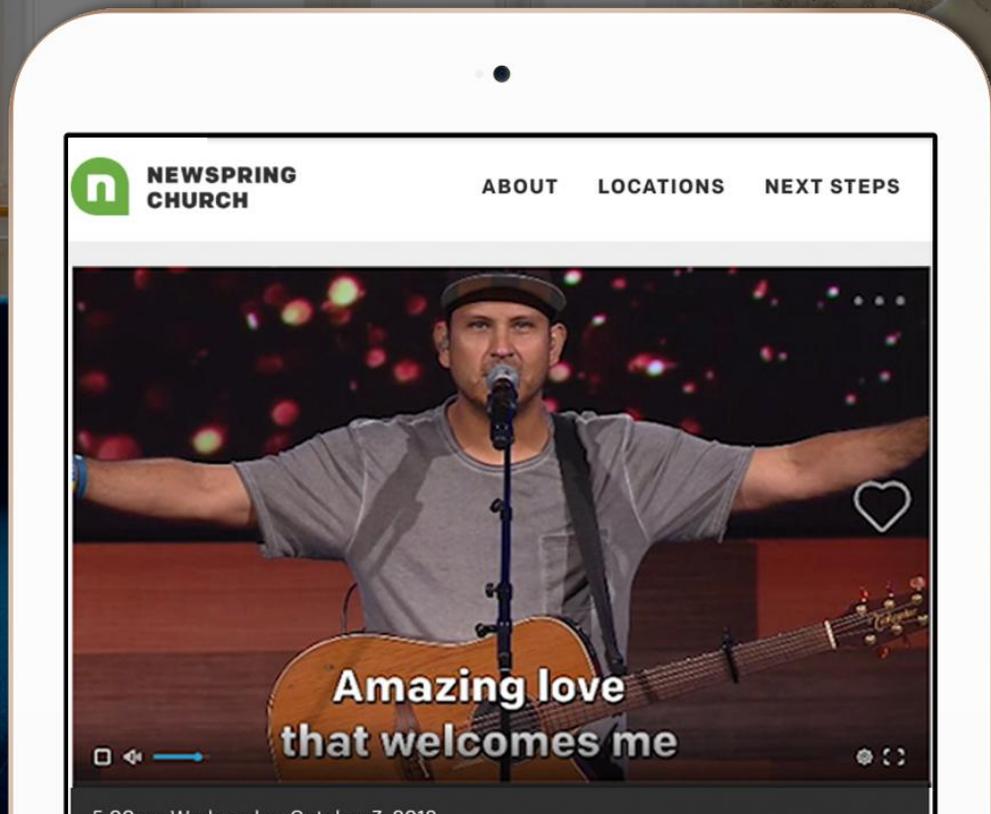


# The Problem

According to a study by Limelight CDN, 70% of people will abandon a stream by the second buffering wheel! Buffering wheels, content skips, pixelated images, and jitter - if you've ever watched a live stream, chances are, you have experienced these "special effects" often and been personally frustrated by them. With existing live streaming technology, if video from the encoder doesn't make it to the cloud within a few seconds, that video content is lost and the cloud transcoder will not have a perfect copy to transcode into multiple bitrates. Thus, viewers will see video that has been transcoded with missing pieces, resulting in a poor viewing experience.



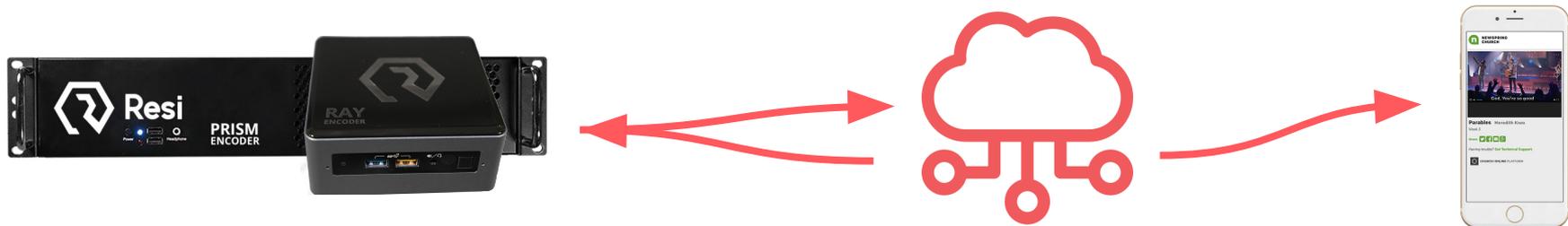
# The Solution - Resilient Streaming to Any Device



Using technology originally designed for the Resi Multisite Platform, which is trusted by many organizations such as Life.Church, Elevation Church, The Global Leadership Summit, and Toyota, the Web Platform is the first streaming solution to combine resilient cloud delivery with transcoding for live video.

# An Industry First

The Web Platform, leveraging Resi's Resilient Streaming Protocol (RSP), is the first system that solves the problem of stream failure by assuring complete data transmission. Unlike legacy streaming protocols that use forward error correction techniques to send limited amounts of redundant data, RSP has no time restriction on when the video is received by the cloud, and the transcoder can wait for a perfect and complete copy of the video data without worry of temporary network interruptions corrupting the transmission. If the cloud misses data, it will request it from the encoder and repair anything that isn't perfect. With a standard 2-minute delay, local internet can go out for 1.5 minutes and the viewer will not be interrupted.



**The Resilient Streaming Protocol ensures, for the first time, viewers will see perfectly encoded video across any device even in the case of an internet outage.**

# Revolutionary HEVC Encoder

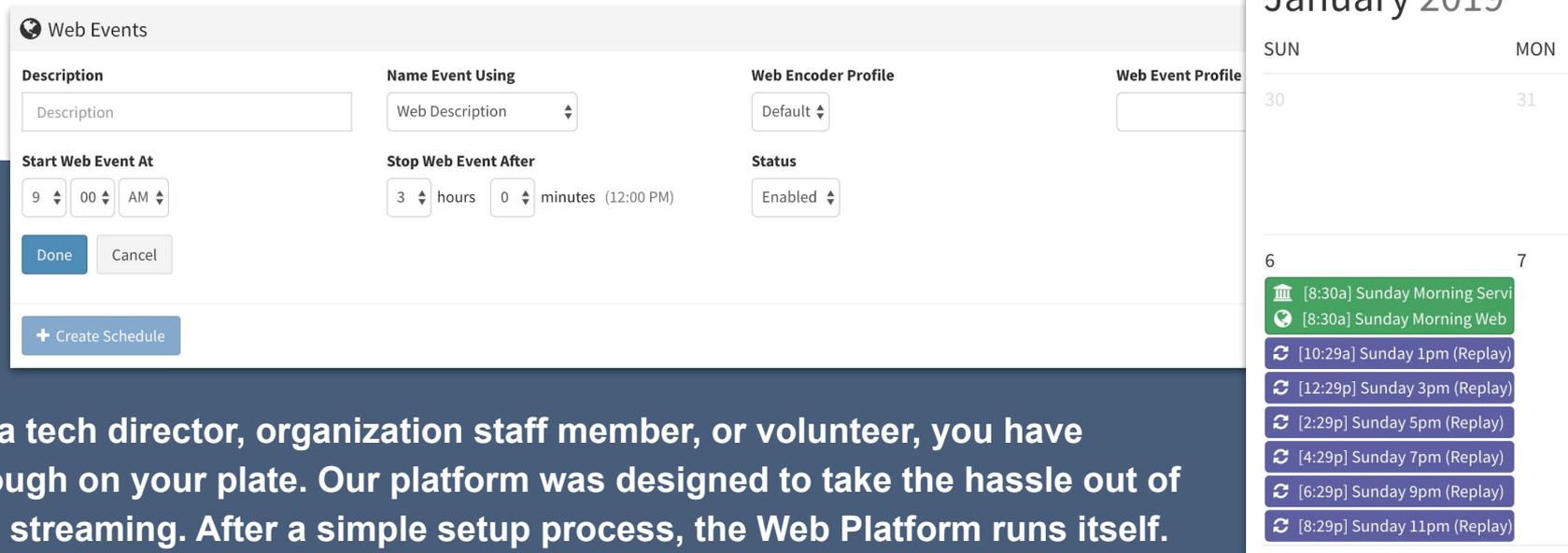
At the heart of the Resi Web Platform is the Resi Resilient HEVC Encoder. These broadcast-grade encoders reside at your broadcast site and automate the process of encoding and sending video to your audience.



Encoders capture professional audio and video by way of HDMI or SDI at up to 4k resolution. Compressing data using highly efficient, cutting-edge HEVC/H.265, content is uploaded to the powerful Resi content delivery network for live viewing from anywhere in the world.

# Scheduling a Web Event

Scheduling a web event is easy from the Web Control Interface. Recurring events (such as weekly church services) may be scheduled to stream automatically each week or launch along with existing Multisite Platform events.



The screenshot displays the 'Web Events' configuration interface. It includes fields for 'Description', 'Name Event Using' (set to 'Web Description'), 'Web Encoder Profile' (set to 'Default'), and 'Web Event Profile'. The 'Start Web Event At' is set to 9:00 AM, and the 'Stop Web Event After' is set to 3 hours and 0 minutes (12:00 PM). The 'Status' is 'Enabled'. There are 'Done' and 'Cancel' buttons, and a '+ Create Schedule' button at the bottom.

To the right, a calendar for January 2019 shows a list of events on Sunday (6th):

- [8:30a] Sunday Morning Servi
- [8:30a] Sunday Morning Web
- [10:29a] Sunday 1pm (Replay)
- [12:29p] Sunday 3pm (Replay)
- [2:29p] Sunday 5pm (Replay)
- [4:29p] Sunday 7pm (Replay)
- [6:29p] Sunday 9pm (Replay)
- [8:29p] Sunday 11pm (Replay)

**As a tech director, organization staff member, or volunteer, you have enough on your plate. Our platform was designed to take the hassle out of live streaming. After a simple setup process, the Web Platform runs itself.**

# Embed Anywhere, Set and Forget

Once an event is scheduled, it may be embedded on a website or on the Life.Church Church Online Platform (we're big fans). Embed codes remain consistent from week to week, allowing full automation of streamed events. Streams may be simulcasted to YouTube and Facebook in 1080p from Resi's Cloud. Persistent URLs are also available for implementation in iOS/Android apps or apps on OTT devices such as Roku and Apple TV.

## Web Event Profile Details

### Profile Name

Newspring

### Delete After

6 days

### Embed ID

b4291f27-3d5e-1334-a088-ba593eafac33

### Description

Newspring event

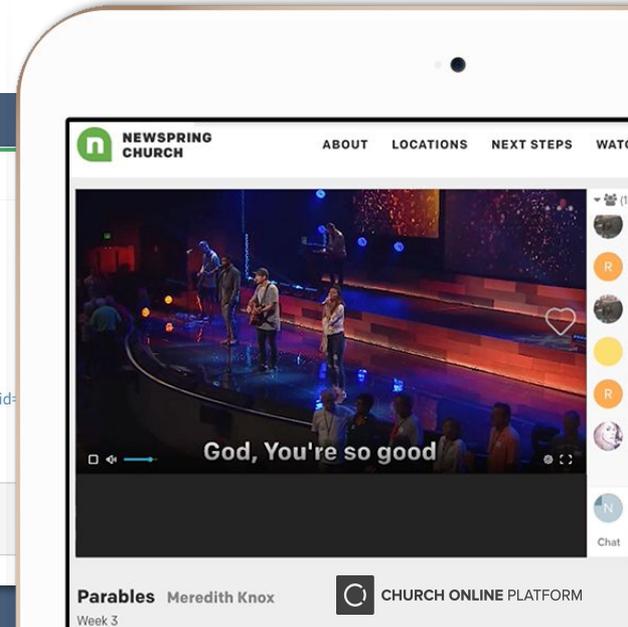
### Persistent URLs

DASH: <https://control.livingasone.com/ns/Manifest.mpd>

HLS: <https://control.livingasone.com/ns/Manifest.m3u8>

### Embed Code

```
<div id="la1-video-player" data-embed-id="b4291f27-3d5e-1334-a088-ba593eafac33"></div>  
<script type="application/javascript" data-main="//control.livingasone.com/webplayer/loader.js" src="//control.livingasone.com/webplayer/require.js"></script>
```



# Cloud Transcoding / Adaptive Bitrate Streaming



Resi's Web Platform includes cloud transcoding, which converts a single high-quality live video stream into multiple bitrates (qualities) in the cloud. Converting the video into multiple bitrates in the cloud conserves upload bandwidth at your broadcast site because you don't have to provide every bitrate for the audience, and this means you can do more with less.

The device a viewer is using will automatically and dynamically select the best bitrate – this is called adaptive bitrate streaming (ABS). The automatic bitrate selection is dependent on factors such as the user's available bandwidth and processing power of the device.

# Watch Anywhere, Any Time

Utilizing next-generation streaming technology MPEG-DASH and HLS, Web Platform streams may be viewed on any device with full DVR playback.

Additionally, the Web Platform supports scheduled Sim-Live (simulated live) playback of content from the cloud, providing the ability to host an enriching online guest experience through synchronized replay of events at any time.

### Add Schedule

**Schedule Type**

Encoder Schedule  Sim-Live Web Schedule

**Schedule Description**

Sunday Replay

**Web Event Profile to Replay**

Newspring

**Start Date**

Dec 30, 2018

**Is This A Recurring Event?**

Yes Repeat every 7 days

**Start Web Event At**

3:00 PM

**Timezone**

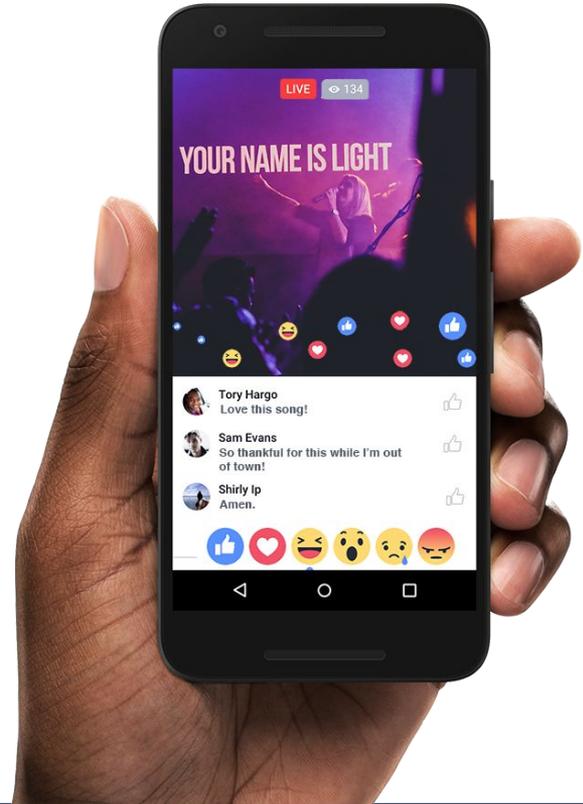
US/Central

[+ Create Schedule](#)



# Social Streaming

The Resi Web Platform supports direct integration with YouTube and/or Facebook Live, providing easy distribution and archival of your content. Unlike unreliable and low-quality RTMP methods, the Web Platform utilizes MPEG-DASH, which, when combined with Resi's Resilient Streaming Protocol, provides ultra-reliable, high-quality video transmission of cutting-edge HEVC content even through significant network instability and packet loss.



# Our Customers



**Daniel Poston** | IT Director, Newspring Church

“Throughout our testing, we’ve seen viewers watching on smart-TVs, mobile phones, and all sorts of devices. It’s incredible how simple it is to reach everyone. We get just one embed code, schedule each service, and it works automatically without us having to touch anything. LA1 has been so reliable for our Sunday live and sim-live messages that we are confidently using it to stream back our youth sessions from the beach.”

**Justin Isenhardt** | Director of Support, Churchome

“Resi has been a game-changer for Churchome. It sounds funny, but we can literally sleep on Saturday night knowing that things are going to work without a hitch for our Sunday services. With the Web Platform, we are able to live stream knowing that we will not have any chance of failure. It’s easy to setup live-stream events with custom links and it’s not laborious management process for our production team. We are excited to do way more with live-streaming on our newly launched Churchome Global mobile app now that we have an incredibly reliable and stable platform to partner with. So far an AMAZING experience and partnership for us.”



# Proactive Monitoring and Support

When you subscribe to the Resi Web Platform, you not only have access to an unparalleled simple and highly reliable streaming solution; you also receive a dedicated support team that proactively monitors streaming health for each organization and responds to issues before they arise. Have questions? If you need help, we're just a phone call or email away. With support hours specifically designed for churches, engineers are available when you need them, even on Sunday mornings.



**Email or Phone - Even on Sundays**

# Select an Encoder



## RAY

RAY Series | Low-cost, portable encoding up to 1080p60

wfx 2019

NEW  
PRODUCT  
AWARDS

WINNER

RAY Single-Channel Encoder

(1) 3G-SDI input, single PSU

E1210

\$1,299.99



## PRISM

PRISM Series | Enterprise-grade, single-channel up to 4K or dual-channel (multisite)

PRISM Single-Channel Encoder

(1) HDMI and (1) 6G-SDI input, single PSU, rack-mounted

E1200

\$2,999.99

PRISM Dual-Channel Encoder

(2) HDMI and (2) 6G-SDI inputs, redundant PSU, rack-mounted

E2211

\$3,999.99

# Web Platform

## Plans & Pricing

	<b>Enterprise Web</b> Starting at <b>\$399/mo billed annually</b> or \$479 monthly	<b>Pro Web</b> <b>\$239/mo billed annually</b> or \$299 monthly	<b>Starter Web</b> <b>\$139/mo billed annually</b> or \$199 monthly
<b>Bandwidth (per month)</b>	Starting at 2TB* (~800 views/wk) Facebook and Youtube Unlimited  *Add additional data for \$25/mo (annually) or \$30/mo (monthly) per terabyte. Special rates available after 10TB.	1TB (~400 views/wk) Facebook and Youtube Unlimited	.35TB (~100 views/wk) Facebook and Youtube Unlimited
<b>Unlimited Cloud Transcoding</b>	6 bitrates	3 bitrates	3 bitrates
<b>Analytics</b>	Advanced	Basic	Basic
<b>Additional Features</b>	<ul style="list-style-type: none"> <li>• Embeddable player with DVR with 30-day video storage</li> <li>• Resilient 1080p simultaneous streaming to YouTube and Facebook through Resi's Cloud</li> <li>• Automated scheduling</li> <li>• Persistent URLs (for iOS/Android Apps and Roku/Apple TV)</li> <li>• Simulated live</li> <li>• Email/phone support, including weekends</li> </ul>		

## Standalone Plan Options:

<b>Basic Embed (720p max)</b> (\$69/mo billed annually or \$99 monthly)	<b>Social Only</b> (\$89/mo billed annually or \$119 monthly)
<ul style="list-style-type: none"> <li>• Embed on any website (Resi logo on player) - 7-day video storage</li> <li>• Unlimited views - 3 hours weekly streaming</li> <li>• 720p max (1080p ingest is okay)</li> <li>• 3 bitrates unlimited cloud transcoding</li> <li>• Automated scheduling</li> <li>• Basic analytics</li> <li>• Email/phone support, including weekends</li> </ul>	<ul style="list-style-type: none"> <li>• Resilient 1080p simultaneous streaming to YouTube and Facebook through Resi's Cloud</li> <li>• Unlimited Viewers</li> <li>• Automated scheduling</li> <li>• Simulated live (YouTube &amp; Facebook)</li> <li>• Email/phone support, including weekends</li> </ul>