

BoxCast Hardware + BoxCast Flow

Partner Resources

BoxCast Hardware Encoder



Spark (HDMI + SDI)



Lower Bandwidth. Highest Quality.

Spark is an HEVC (H.265) live streaming encoder. HEVC cuts your bandwidth in half and lets you encode your video in the highest quality. This elevates your content and conveys a polished image to your audience.



Enhanced Monitoring + Control

Have eyes on your video feed at all times, thanks to the Spark streaming encoder's live preview and customizable LED light ring. You can also adjust your analog audio levels and run a network speed test onscreen.



Reliable Church Streaming Encoder

What makes Spark an HD streaming encoder you can count on? It's equipped with our automated technology for easy scheduling and multistreaming, plus [BoxCast Flow](#), our patented streaming protocol. Oh, and a handy microSD card slot to locally record a backup – just in case.



Spark Documentation

Pricing

- HDMI: \$999
- SDI \$1,299

Tech Specs

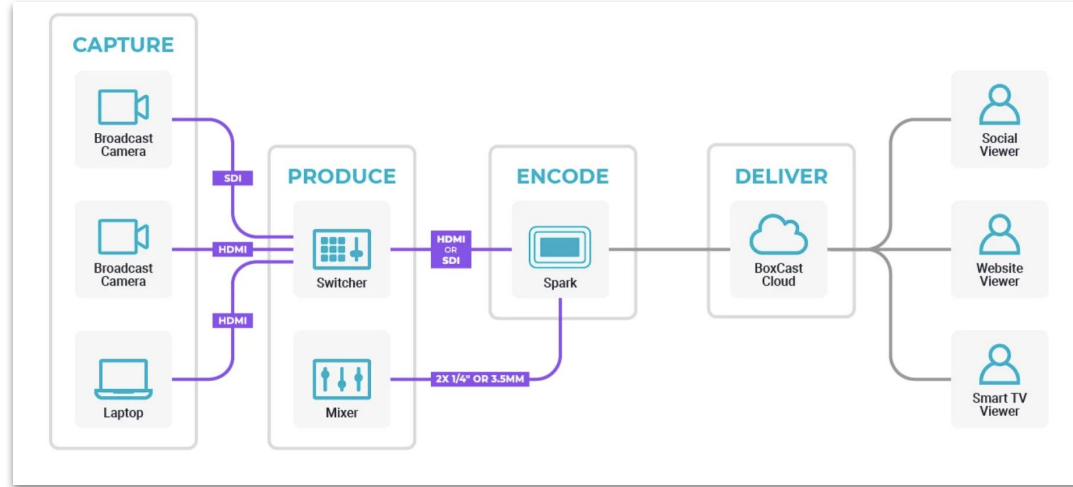
[Spark Tech Specs \(HDMI + SDI\)](#)

Website Page

[Spark Home Page](#)



Spark Content



Blogs:

- [HDMI vs SDI - What's the Difference](#)
- [Spark vs Resi Mini vs Web Presenter](#)
- [Spark Unboxing](#)

Videos

- [Spark Quick-Start Guide](#)
- [Spark | HECV Touchscreen Encoder](#)
- [Spark Quick-Start Guide](#)

Spark Features & Benefits

Compared to the HDSD BoxCaster, the Spark includes:

- **HEVC Processing** - reduces the bandwidth needed to run a quality stream. Pair that with Enhanced BoxCast Flow settings for extra reliability should network interruptions occur.
- **Enhanced Audio Quality** - Continues to support embedded audio via HDMI (and now through SDI) or connect audio with two ¼" or a 3.5mm input.
- **Local Recording** - Record to a micro SD card.
- **SDI Version** - SDI version available for those that prefer SDI.
- **Enhanced Wifi** - Better wifi technology allows for easier, on-screen setup, and reliability.
- **Better Technology** - The HDSD was built on technology almost a decade old. Spark is state of the art. Users should experience minimal interference or need for rebooting.

BoxCast Flow Streaming Protocol



BoxCast Flow: The Patented Streaming Protocol You Can Count On



Adaptive recovery

Small network issues can cause packet loss, which means your video data arrives at the cloud out of order (or not at all). BoxCast Flow's adaptive recovery and content-aware forward error correction retransmit data to fill in the gaps — so your viewers won't see any buffering or pixelization.



Link quality adjustment

BoxCast Flow's built-in link quality adjustment automatically adapts to changing internet conditions. It decreases your outgoing bitrate to ride through rough patches and increases your bitrate (and video quality) when your network is steady.



Security

With built-in obfuscation, BoxCast Flow protects your video data from being decoded by unknown third parties, ensuring you're in control of your streaming content. It also prevents network firewalls and traffic shapers from filtering your content based on known streaming protocols.

Flow Content

Website

- [Flow Page](#)

Blogs:

- [BoxCast Flow vs RTMP](#)
- [Key to High-Quality, Reliable, and Secure Live Streams](#)

Videos

- [Flow Explained](#)
- [Customizable Control](#)

RTMP

Subject to buffering when the network is congested.



BoxCast Flow

Utilizes both "stream" and "datagram" transports to ensure your video is delivered to viewers without either buffering or artifacts.

