

# Media Acceleration Live Broadcast

Data Sheet



## Introduction

Since 2016, live broadcast has been on a rise globally. According to Cisco Report, Live video will grow 15-fold from 2016 to 2021. Facebook, Youtube, Twitch are also joining the online for live streaming, among which live gaming is springing up.

However, live streaming is facing a bright future as well as some emerging challenges.

## Media Acceleration - Live Broadcast

CDNetworks Media Acceleration Live Broadcast product is based on CDN 2.0 delivery platform and utilizes proprietary technologies of GLBS and private streaming media transfer protocol, striving to provide one-step solutions of video ingestion, processing, delivering and decoding. It renders fast, stable and secure live streaming acceleration service and provides users an excellent experience of low-latency, buffer-free viewing.

## How It Works

Media Acceleration - Live Broadcast platform can undertake a large number of customer requests for live streams and distribute large amounts of live content with low latency through the traffic scheduling system. In the UGC scenario, users can push streams to the Media Acceleration - Live Broadcast platform to distribute their content on the platform, or in the OTT scenario, the platform can also return to the clients' origins to distribute massive live content for the client.



# Key Features and Benefits

Feature	Description	Benefit
<b>Centralized Scheduling</b>	Using user's real IP to schedule the user's request.	Get the best edge pop and best service quality.
<b>Anti-hotlinking</b>	Support all the mainly anti-hotlinking methods such as black/white list, referrer, cookies, UA, time stamp and back to origin authentication.	Implement access control, reduce bandwidth and save cost.
<b>Live Transcoding</b>	Real-time bitrate and resolution transformation. ABR (Adaptive bite rate) is also supported.	Help customers adapt to various users' devices types.
<b>LBHD</b>	"Lower bandwidth, higher definition". We help users dynamically reduce the bit rate through AI	Users can get the most suitable bit rate for different video content.
<b>Live Recording</b>	Enable live streaming date recording for output formats such as TS(HLS)/MP4/FLV.	Allow users to watch the video content after the live broadcast is over.
<b>Live Screenshot</b>	Take real-time screenshots during the broadcast and store the images.	Customers can use the images as the covers of the live rooms or use them to do the illegal content identification work.
<b>Time Shifting</b>	Support users to watch content before the current time during live broadcast.	Help users not miss any wonderful moments
<b>WNHD(Beta)</b>	Provide SDK or library file to deploy private protocol into mobile devices.	Improve the players' pushing stream quality
<b>Resolution Rebuild(Beta)</b>	Provide SDK to mobile and PC side to improve the resolution of original stream.	Increase the resolution without increasing the CDN bandwidth.

## About CDNetworks

CDNetworks is a global content delivery network (CDN) with fully integrated Cloud Security DDoS protection and web application firewall. Our mission is to transform the Internet into a secure, reliable, scalable, and high performing Application Delivery Network. CDNetworks accelerates more than 40,000 websites and cloud services over a network of 1500+ global PoPs in established and emerging markets including China and Russia. We have been serving enterprise customers for 15 years across industries such as gaming, finance, e-commerce, hightech, manufacturing, and media. CDNetworks offices are located in the U.S., UK, South Korea, China, Japan, and Singapore. For more information, please visit: [www.cdnetworks.com](http://www.cdnetworks.com).