



AltitudeCDN™
Multicast+

ALT-MCS
ALT-MCR

LIVE VIDEO STREAMING that won't cripple your network

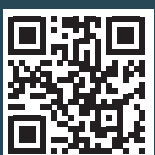
Live video streaming is an efficient and effective way to reach employees around the world. But streaming video to hundreds or thousands of people over the corporate internet connection can seriously impact the network. Not only does it clog up the internet for everyone else, but it also compromises the quality of video that reaches viewers.

Most enterprises have adopted multicast technology to handle streaming video because it's been proven to be the most efficient method of reaching a large number of viewers with stable, reliable transmissions. Multicast is a bandwidth-conserving, one-to-many network protocol that reduces traffic by distributing a single video stream for all users to access. With the impending end of support for Microsoft and Cisco multicast servers and the movement away from Flash, enterprises with multicast-enabled networks need to find an alternative.

HTML5 VIDEO • SILENT TESTING • RELIABLE OVER WIFI • LEGACY MULTICAST REPLACEMENT

Secure, next-generation multicasting for the enterprise

Multicast+ is a next-generation multicast solution that overlays your existing network infrastructure to deliver high-quality, stable video to all your viewers without the need for proprietary infrastructure or custom video players. Multicast+ is the only multicast solution for HLS and DASH video. Once deployed, Multicast+ serves as a common distribution infrastructure for all your enterprise streaming platforms.



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AltitudeCDN™ Multicast+

Technology Neutral

Built for industry standards such as H.264, HLS, DASH, HTML5

Lightweight, software solution requires no proprietary hardware or expensive network upgrades

Supports any HLS, DASH or browser-based video player

Runs on any existing multicast-enabled network

Enterprise-Grade Security

Deployed 100% behind the firewall

Adds a layer of encryption to all transmissions at rest and in motion

Supports multicasting over HTTPS

Uses PKI certificates to prevent the transmission of unauthorized video streams

Reliable, High-Quality Viewing Experience

Patented forward error correction and bandwidth smoothing ensure video streams remain solid even on unstable connections

Unique multicast DVR capability allows users to pause and time slip video playback

High availability clustering with heartbeat monitoring

Real-time and archive telemetry details stream consumption, packet loss and performance

TECHNICAL SPECIFICATIONS

MULTICAST+ SENDER

ALT-MCS

The Multicast+ sender encapsulates the video stream with security, forward error-correction and bandwidth smoothing then sends the stream to Multicast+ receivers.

MINIMUM REQUIREMENTS

Multicast+ senders run in a virtual machine

Operating System	Linux – version 3.3.1 or later Windows Server 2012 or later
CPU	1 core CPU, 2.5 GHz
Memory	4 GB RAM
Disk	40 GB fast disk storage
Network Interface Card	1GB NIC
Software	Oracle Java 64-bit 1.9+

MULTICAST+ RECIEVER

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The Multicast+ receiver listens for requests specifying the use of multicast data, performs packet error checking and reordering, then decodes and encrypts the data for delivery to the video player.

MINIMUM REQUIREMENTS

Multicast+ receivers run on client machines

Operating System	Windows 7 SP1 or later Mac OS X 10.10 (Yosemite) or later Linux
CPU	1 core CPU, 2.5 GHz
Memory	4 GB RAM
Browser	Any HLS or HTML5 compatible browser
Network Connection	Multicast wired, WiFi Connection
Software	Oracle Java 64-bit 1.9+ (for Mac and Linux) Microsoft .NET Framework 4.5.1 or greater (for Windows)



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