

SOLVE NETWORK CONGESTION

Video Delivery for Microsoft Live Events & VOD

Video for All

Consumer habits are spilling into the workplace, creating an insatiable demand for video communications. With Microsoft 365, virtually anyone can create, share and access video.

But how do you avoid the pitfalls created by bandwidth-consuming video?

Ramp AltitudeCDN™ is an enterprise content delivery network (eCDN) purpose-built to efficiently transport internal live streams and video on demand (VOD). Integrated with Microsoft Stream, Microsoft Teams, Yammer and Skype Meeting Broadcast, our software solutions are the most efficient, reliable and secure way to deliver video without impacting business-critical traffic on your network.

Two Approaches, One Goal: Highest QoE

If your viewers experience buffering, glitches, or even worse, they can't access the video at all, video has zero value. So how do you know which eCDN will give you the highest possible quality of experience (QoE)?

It depends on a variety of factors such as network topology, video sources, use cases and IT policies. You may find using more than one type of eCDN best meets your business needs, and Ramp can help.

To create a high-quality experience for all viewers, AltitudeCDN resolves the network congestion created by bandwidth-intensive video by optimizing video traffic across your network.



Video streams crossing your firewall can create network congestion, resulting in a poor quality viewing experience.

Why Ramp?

- Integrated with Microsoft streaming solutions—Stream, Teams, Yammer & Skype Meeting Broadcast
- Optimizes both live video and VOD
- Supports virtually any video source, any device, Wi-Fi, VPN and VDI
- Only direct replacement for legacy multicast solutions
- Solves delivery problems at the infrastructure level
- Software-only solutions use your existing hardware
- Deploys 100% behind the firewall
- Enterprise-grade security with end-to-end encryption
- Advanced analytics examine attendance, network performance, and measure return on investment (ROI)



EFFICIENT

Reduces bandwidth consumption by 90% or more while successfully reaching viewers throughout the enterprise

RELIABLE

Patented bandwidth smoothing overcomes packet loss to eliminate glitches and maintain the highest QoE

SECURE

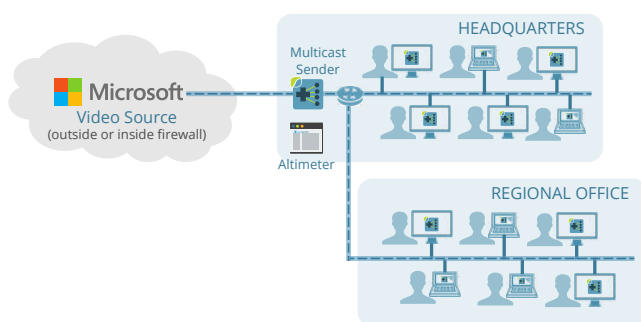
Deploys on premises, behind your firewall, and encrypts video end-to-end to maintain enterprise security policies

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AltitudeCDN™ Multicast+

Multicast+ is the most efficient video delivery option for Microsoft 365. Multicast+ sends a single video stream simultaneously to tens and hundreds of thousands of viewers without consuming any more bandwidth than needed for one viewer. This level of efficiency and predictability makes it the preferred eCDN for enterprises with multicast-enabled networks, and it's the only direct replacement for organizations using end-of-life (EOL) multicast solutions. With pre-event simulations and insightful analytics, you can easily monitor and assess the health of your video network before, during and after live video events.



- Multicasting for live HTML5 video (HLS, DASH)
- Only replacement for EOL multicast solutions
- Predictable, deterministic network
- Best eCDN for live video on Wi-Fi networks
- Analytics dashboard to monitor and measure event participation, network performance and QoE
- Silent testing/event simulations to spot potential issues before a live event

AltitudeCDN™ OmniCache™

OmniCache is an intelligent video caching solution that supports the widest variety of video sources, including Microsoft 365. Unlike other eCDNs, viewers can watch both live streams and VOD without installing software or plugins on their PC, tablet or mobile phone. OmniCache software is deployed on the LAN to serve video to nearby viewers. By redistributing video locally, you can save 90 percent or more on WAN and internet bandwidth. OmniCache supports the widest variety of use cases and deployment scenarios. Its ability to scale effortlessly gives you flexibility to address network congestion gradually as demand for video grows over time.

- No client software or plugin required
- Any video source, any device and any video player
- Best option for mobile devices
- Self-discoverable and self-healing for exceptional resiliency
- Pre-position video during off-peak hours to optimize network performance
- Easy to start small and scale as needed

