

Ramp Altimeter

Centralized management for enterprise video distribution

Ramp Altimeter is the first and only centralized management system for enterprise-grade multicasting and video caching. You can deploy, configure, manage and visually monitor your entire eCDN deployment from a single, web-based interface.

Enterprise video on the rise

As the use of video for business communications grows, your ability to create a great experience for users inside the corporate firewall becomes more and more difficult. An enterprise content delivery network (eCDN) optimizes video distribution, saves network bandwidth for business-critical operations, and ensures employees have a great viewing experience.

The distributed nature of enterprise network infrastructure, however, can make managing an eCDN environment a complex, time-consuming task. Administration typically requires network specialists to edit configurations and parse log files on servers all over the network. Detecting performance issues quickly is virtually impossible. End user trouble tickets are often the first sign of a problem.

Take complexity out of administration

Altimeter is the first and only centralized management system for enterprise-grade multicasting and video caching. It allows you to configure and visually monitor the status and performance of your entire eCDN deployment from a single, web-based interface. With Altimeter, you gain insight into quality of experience (QoE), and analyze key performance indicators such as number of viewers, packet loss, missing segments and network performance.

Ramp analytics engine

As a key component of Altimeter, Ramp's analytics engine gives you a comprehensive view of your eCDN environment to monitor network performance, pinpoint problem areas, and understand the impact streaming video has on your network. View your video network as a whole, get specific—by the minute, by location or device—or customize your experience.

- **All-in-one view.** Unified analytics dashboard to monitor and analyze your eCDN environment, network performance and QoE, whether you're using Multicast+, OmniCache, or a combination of both.
- **Information that matters.** Analyze system-wide data from a network or viewer perspective to identify—and resolve—specific issues. Integrate Ramp-generated data into your existing and reporting tools, or use Ramp's standard reports.
- **Data and analytics your way.** Hand pick the data points you want to analyze and create custom tags to organize information in a way that's most meaningful to your organization. For example, tag locations by size, geography or location type.

SOLUTION BRIEF



Use Altimeter to...



Administer.

Easily set up your global multicast and caching environment.



Control.

Manage eCDN sources, licenses and routing rules.



Troubleshoot.

Monitor performance, adjust in real time.



Analyze.

Detailed analytics to identify issues and measure ROI.



Benefits

- Global eCDN administration in a single, web-based interface behind your firewall
- Easily set-up and configure eCDNs, including sources, licenses and routing rules
- Centralized management of your entire eCDN environment
- Real-time diagnostics to make adjustments on the fly
- Transparently change a broadcast source during a live event
- Statistics about stream delivery, cache utilization and user interaction
- Detailed analytics to identify issues, measure network performance and quality of experience
- Schedule live events immediately and in the future
- Run multicast event simulations to test network performance
- Unify the management of fragmented multicast networks
- Pre-position videos during times of low network activity with OmniCache



Live event simulations

Historically, the only way to stress test the global network in advance of a large-scale video event, such as an executive town hall, was to orchestrate a live trial with a sample of participants across the company.

Altimeter allows you to create and schedule fully-functional video events using Multicast+ without the need to recruit a single live participant. Simply schedule a time when Multicast+ senders and Multicast+ receivers join the simulated event for a specified period of time. For each simulation, you can access detailed analytics to quickly assess the health of the multicast network.

[Learn more about Multicast+.](#)

Pre-position on-demand videos

Large scale on-demand video events, such as pre-recorded executive messages or required training, can cause a temporary spike in bandwidth utilization. Instead of waiting for the first viewer requests to populate your OmniCaches, you can use Altimeter to schedule when to pre-position videos across the network.

By distributing your videos to local caches during periods of low network activity, you reserve precious bandwidth for business-critical operations. With less network traffic, viewers also get faster start times and an uninterrupted, high-quality experience.

[Learn more about OmniCache.](#)

About Ramp

Ramp solves network congestion created by live and on-demand streaming video. Our enterprise content delivery network (eCDN) efficiently, reliably and securely optimizes video distribution behind the firewall to save network capacity, protect business-critical operations, and deliver the best quality viewer experience. Using multicasting, video caching, peer-to-peer networking, or any combination, Ramp is the eCDN for all— all enterprises, all networks, all use cases, and all streaming platforms. Visit rampecdn.com for more information.