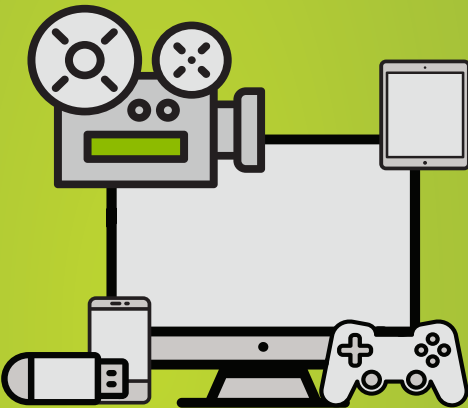


SPRINGBOARD AT-A-GLANCE

- Low cost entry points to deliver Video On Demand (VOD) and Live Streaming solutions
- Flexible deployment options based on required services and device types
- Ability to scale as capacity requirements grow
- VOD solution for RTSP QAM based Set-Top-Boxes
- VOD and Live Streaming Adaptive Bitrate (ABR) solution for IP Devices
- Unified CDN solution for VOD, Live Streaming, caching, and streaming for RTSP Set-Top-Boxes and IP Devices



THE CONCURRENT DIFFERENCE

Concurrent media solutions enable service providers to launch Video On Demand and Live Streaming services to IP Devices and QAM set-top boxes using a common integrated solution architecture.

Embedded content adaptation features such as Just-In-Time Packaging, dynamic DRM encapsulation, and manifest manipulation provides video service operators a solution with uncompromising performance, scale and multi-workload capabilities.

MEDIA DELIVERY SPRINGBOARD

Springboard provides three low cost entry point solutions for service providers to ingest, store, transform, and deliver content.

Solutions include a VOD solution for RTSP QAM based Set-Top Boxes, a VOD and Live streaming solution for IP Devices, and a CDN solution providing support for both QAM and IP devices. Each of these solutions are designed to provide a comprehensive set of services with the ability to scale as capacity requirements grow.

QAM VOD

The QAM VOD solution provides Video On Demand services to RTSP QAM based Set-Top Boxes. Services include VOD ingest, automated trick-file generation, storage, and RTSP Video streaming. The solution supports standard interfaces for ATIS, NGOD, ADI, and ISA including a comprehensive API for back office integration.

IP LIVE + VOD

The IP Live + IP VOD solution provides Video On Demand and Live Adaptive Bitrate streaming to IP Devices. Services include VOD ingest, Live ABR channel provisioning, storage, and Adaptive Bitrate streaming. Just-In-Time Packaging (JIT-P) supports Apple HTTP Live Streaming, Microsoft Smooth Streaming, Adobe HTTP Dynamic Streaming, and MPEG-DASH.

Just-In-Time Encryption (DRM) integrates with popular Digital Rights Management (DRM) systems such as PlayReady, Secure Media, Verimatrix, Irdeto, and DASH Common Encryption (CENC).

UNIFIED CDN SOLUTION

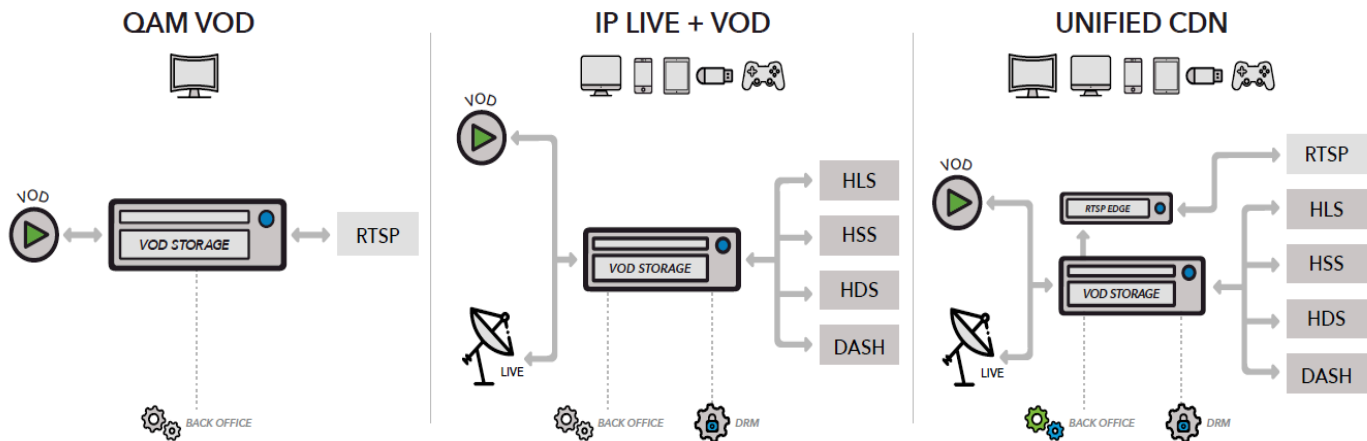
The Unified CDN solution is a comprehensive offering for ingesting, hosting, distributing, and streaming video content to any device, at any time, over any network. Leveraging a common architecture, Unified CDN supports all the features and functionality of both the QAM VOD and IP Live + IP VOD solutions.

SUPPORT SERVICES

- Application logging for key events
- SNMP MIBS for system monitoring
- Remote support for troubleshooting, maintenance, and software upgrades

ADVANCED ADD-ON FEATURES

- Migration path for additional services and streaming capacity growth
- External scale out storage (Concurrent Aquari) for unlimited content expansion
- Time-shift TV (Catch-Up TV, ReStart TV)
- Cloud DVR



SPECIFICATIONS

QAM VOD

- RTSP QAM Set-Top-Boxes
- Video On Demand ingest and streaming
- SD, HD, 4K content
- Automated trick-file generation
- ATIS, NGOD, ADI support
- Comprehensive API
- 2U server with 28TB of storage (~16,000 hours @ SD resolution)
- Up to 25,000 users for 5Gbps streaming
- Part ID: CD-BDL-SM-QAM

IP LIVE + VOD

- IP Devices
- Video On Demand ingest and adaptive bitrate streaming
- Live ingest and adaptive bitrate streaming
- SD, HD, 4K video
- Just-In-Time Packaging to HLS, HSS, HDS, and DASH
- Just-In-Time Encryption (DRM Integration)
- Comprehensive API
- 2U server with 28TB of storage (~16,000 hours @ SD resolution)
- Up to 25,000 users for 5Gbps streaming
- 10 Live ABR channels (600Mbps)
- Part ID: CD-BDL-SM-ABR

UNIFIED CDN

- Support for RTSP QAM Set-Top Boxes and IP Devices
- Includes full QAM VOD feature set and functionality, as well as IP Live + IP VOD
- 2U server with 28TB of storage for VOD library (~16,000 hours @ SD resolution) and IP streaming
- 1U server for caching and RTSP streaming
- Up to 25,000 users or 5Gbps streaming capacity
- 10 Live ABR channels (600Mbps)
- Part ID: CD-BDL-SM-CDN