

Entertain

Engage

Expand

# SeaChange Nucleus

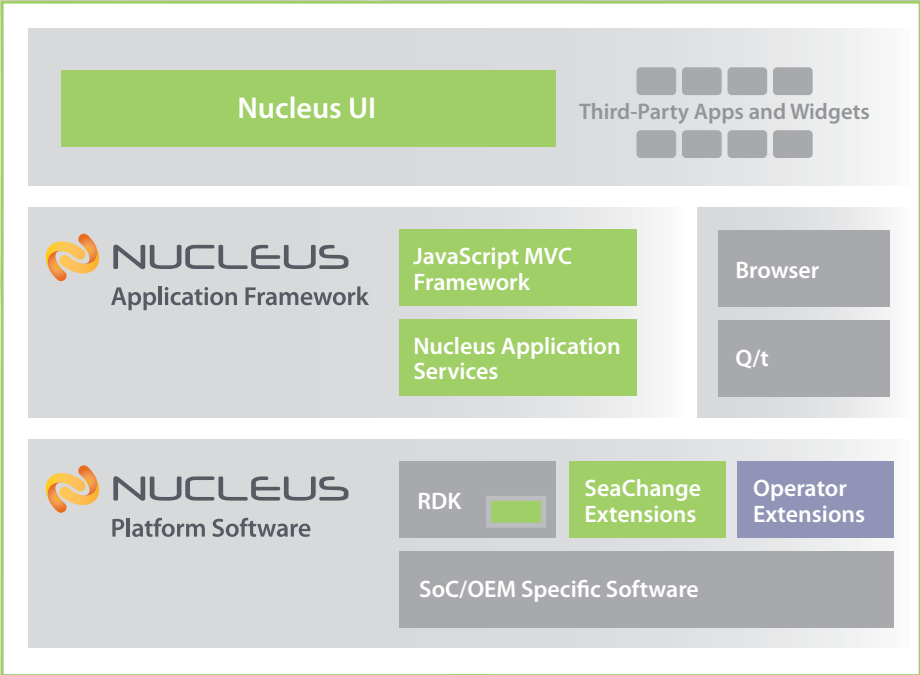




## Wow Your Multi-Screen Subscribers

The SeaChange® Nucleus™ video gateway software was developed for advanced set-tops to help service providers create a rich and unified user experience across all devices within the home. Nucleus is an implementation of the industry's RDK (Reference Design Kit) standard for advanced media gateways and runs on every major set-top SoC (System on Chip) design. It is highly portable to virtually any set-top box and provides a rich framework for deploying next-generation applications, guides and services. The solution decouples the software from the hardware, making it vendor-agnostic, therefore service providers have the freedom to choose from any of their preferred set-top manufacturers.





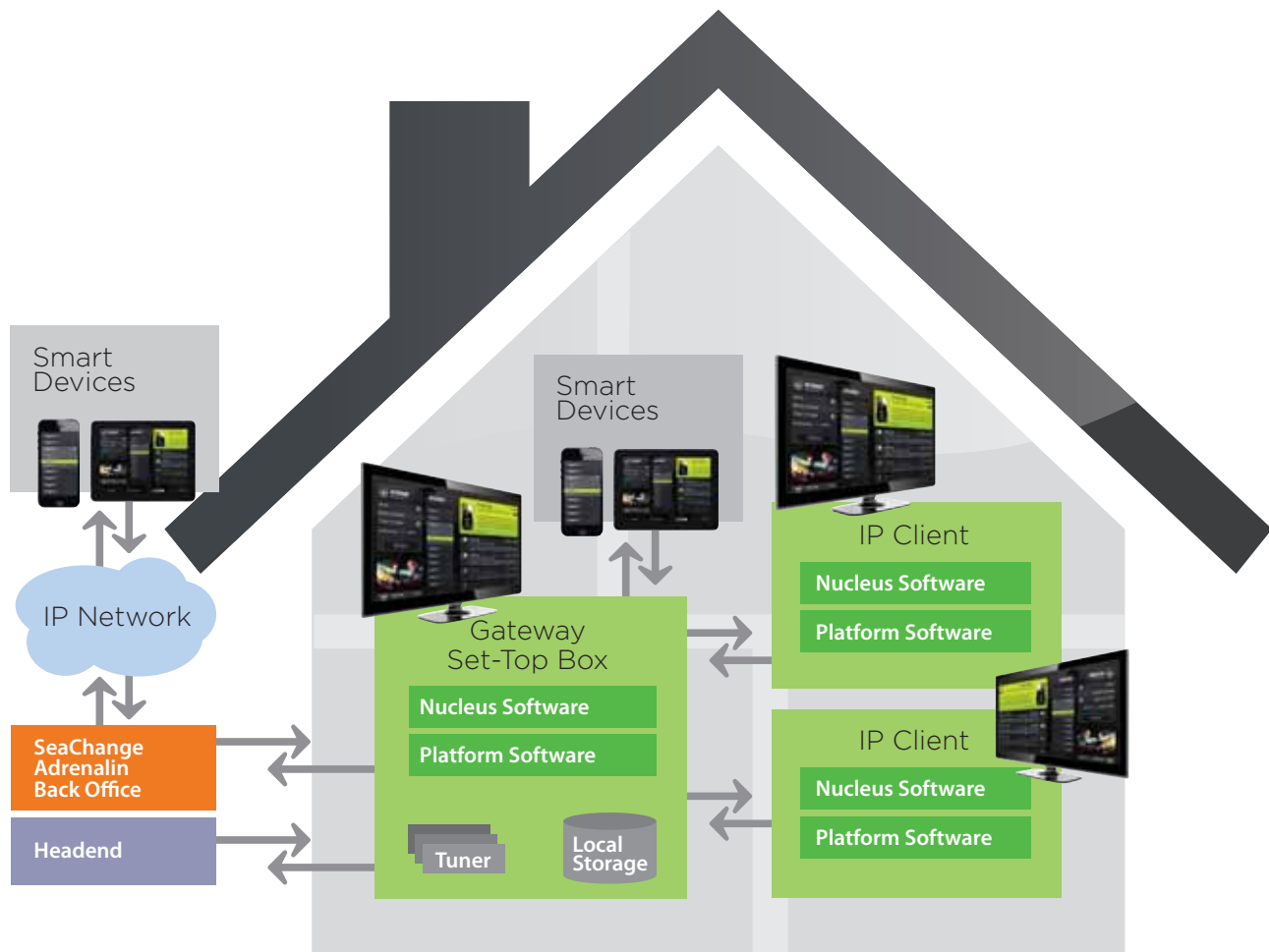
## BENEFITS

- **Richer user experience** — multi-room DVR, media sharing, access to apps, advanced browser-based guides and more
- **Brand outside the box** — promote your brand, service offering and the Quality of Service that subscribers love on any screen
- **Flexible soft box** — solution is hardware vendor-agnostic; giving service providers the freedom to choose from any number of preferred vendors
- **Get apps and services to market quickly** — rapid deployment of apps, guides and service innovations
- **Modular solution comprised of an optimized platform software stack and application framework that can be configured to fit almost any environment**
- **Future proofs CAPEX investments through hybrid gateway configurations that support both QAM and IP delivered video**



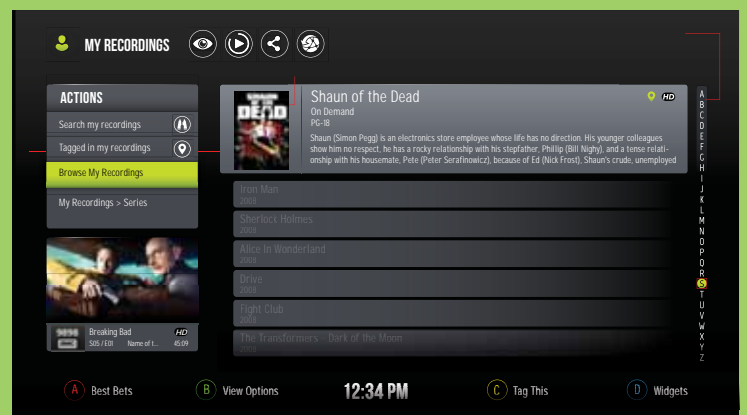
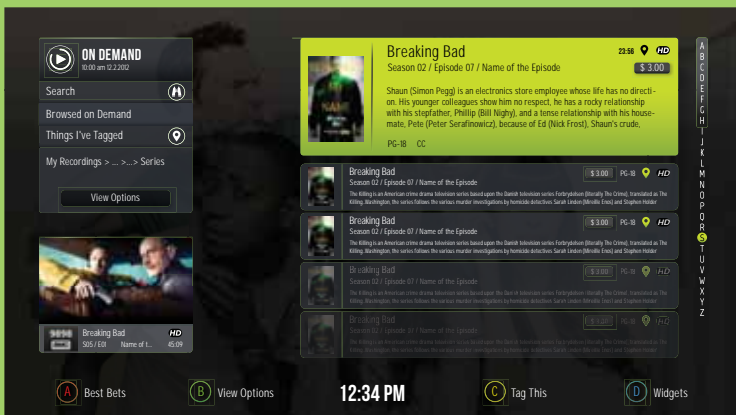
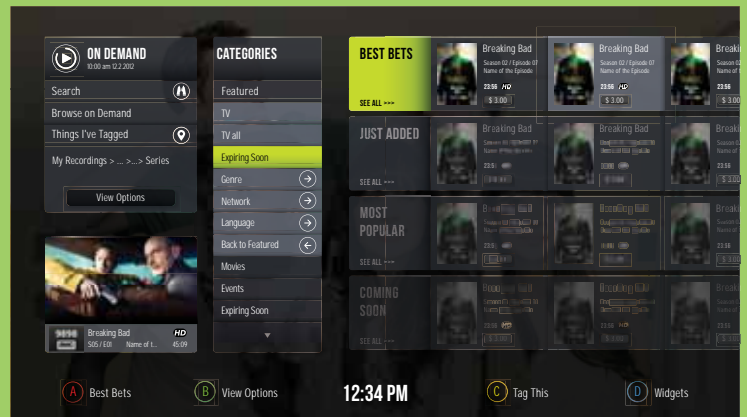
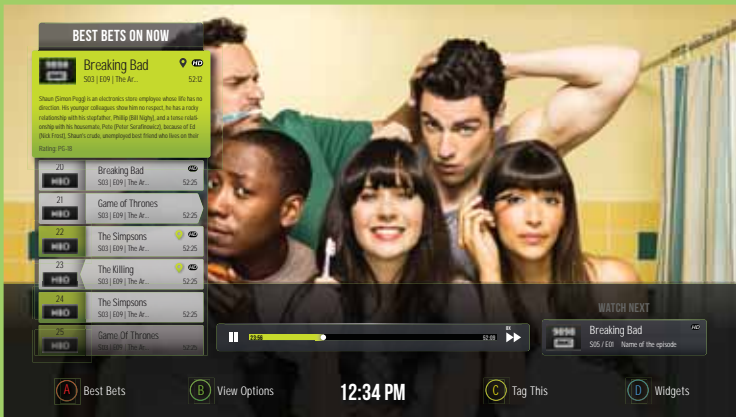
Nucleus comes in a variety of configurations for headed or headless media gateways as well as thin IP clients connected through a home network. Gateway configurations include hybrid models that support both QAM and IP-delivered video, which helps to future proof CAPEX investments for new subscriber devices. Nucleus works with any DLNA-connected device in the home as well, allowing secured content sharing across TVs, PCs and mobile devices.

The Nucleus software stack includes the Platform Software, a set of Application Services, and a JavaScript Application Framework used by HTML5 applications to gain access to the set-top platform and back office data services. This rich set of interfaces dramatically reduces the time required to create and deploy new applications by doing much of the heavy lifting in the common framework. The solution also offers a customizable user interface for enhanced TV navigation and presentation across all content and services.



*Orchestrate a rich, unified and fully branded experience across all television devices with whole home DVR, multi-screen sharing, apps and guides.*







## SPECIFICATIONS

- Pre-integrated with SeaChange® Adrenalin™

## SoC SUPPORT

- Broadcom: BCM7425 | 7428 | 7420 | 7435 | 7445
- STMicro Alicante | Cannes | Orly
- Intel: Puma6, Groveland, Sodaville
- Others: Pre-Production Configurations

## OEM SET-TOP BOX SUPPORT

- Arris: DCX3600 | 3510 | XG1 3620
- Samsung
- Cisco
- Pace: X1 | X13 | RNG150
- Technicolor: DCI1807
- Others: Pre-Production Configurations
- Netgear Hmg 7000
- Kaon

## TECNICAL DETAILS AND REQUIREMENTS

- Interfaces & Codecs: H.264/MPEG4 | DOCSIS3 | MoCA 2.0 | DLNA | HDMI | 802.11n Wi-Fi | DSG & CableCard | DTCP/IP
- Connected Device Types: IP-Clients | DTAs | SmartTVs | PCs & Macs | Smartphones and Tablets (iOS & Android) | Game Consoles (PlayStation 3 & Xbox 360) | Blu-ray Players | Others upon request

## **ABOUT SEACHANGE INTERNATIONAL, INC.**

Enabling our customers to deliver billions of premium video streams across a matrix of pay-TV and OTT platforms, SeaChange (Nasdaq: SEAC) empowers service providers, broadcasters, content owners and brand advertisers to entertain audiences, engage consumers and expand business opportunities. As a three-time Emmy® award-winning organization with over 20 years of experience, we give media businesses the content management, delivery, measurement and analytics capabilities they need to craft an individualized branded experience for every viewer that sets the pace for quality and value worldwide.

Visit [www.schange.com](http://www.schange.com)



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