SENCORE BkM100 Mediator is a unified content delivery network manager enabling network service providers to deliver efficiently video content to the 3 screen over any type of network.

FEATURES AT A GLANCE

- Redundancy/load balancing and fail-over management of the video servers and on-demand sessions
- Based on open standards (Open IPTV Forum) and protocols (RTSP/SOAP/FTP)
- Compatible with ISA/ADI for quick integration in cable environment
- Automatic popularity management for storage optimization
- Dynamic resources allocation for streaming
- Powerful CDN topology management
- Geo-location and Geo-blocking
- Easy-to-use monitoring and administration tools
- Usage on multi-networks, Cable TV, IPTV, Mobile TV and Open Internet
- Wholesale feature set for white label business model
- Separated delivery mechanisms and content management

Network Service Providers are facing an immense opportunity caused by a craving demand from subscribers for Video content. Whether you want to unify and maximize the quality of content delivery to serve your own Video Services or build a complete Wholesale offer for partners to deliver their services over your network, SENCORE BkM100 Mediator is the perfect solution.

AN OPEN PLATFORM
SENCORE BkM100 Mediator was designed after the Open IPTV Forum specifications and benefits of a streamlined and evolutive architecture. SENCORE BkM100 provides web services for integration with Service Platforms and Content Management Systems which makes it very easy to integrate into your network. BkM100 Servers are already tested & certified with leading commercial or home grown service platforms.

SECURE MULTI-LAYERED POP TOPOLOGY
The Topology Manager is embedded into the SENCORE BkM100 Mediator, monitoring the network topology and updating each server’s status. It is a central component, as it is the only element that has complete visibility of the location, availability and status of video streamers. This ensures that a subscriber’s request will be fulfilled in the most cost-effective manner from the most suitable video streamer, based on the service requested and the customer’s location.

CONTENT POPULARITY MECHANISMS
SENCORE BkM100 Mediator continuously monitors the popularity of content based on usage patterns. Popular content is automatically pushed to the edge servers while long tail content remains on the larger central library. This automated process dramatically reduces the need for storage at the edge and consequently the total cost of ownership of the global solution.

A SCALABLE SOLUTION
SENCORE BkM100 Mediator software runs on a standard 2 RU server. Each server unit manages up to 30,000 simultaneous streaming sessions (VoD and WebTV). The SENCORE BkM100 Mediator is fully integrated with the BkS100 Streamers and BkE100 Experience servers enabling fast channel change and Live TV packet loss recovery, thereby dramatically improving picture quality and the overall User experience.
SPECIFICATIONS
IPTV/Cable/Mobile/Hybrid/WebTV Content Delivery Network Mediator BkM100 Series

SERVICES
Streaming
Download/Progressive Download
Push
Live TV unicast (WebTV, mobile & wimax)
Network Time Shifting
Network Personal Video Recorder (nPVR)
Start-Over
Catch-Up TV

DELIVERY NETWORKS
xDSL / FTTx
Mobile
Cable
Open Internet
Hybrid networks

INTERFACES WITH SERVICE PLATFORM
SOAP (web services)
ISA / Corba

FUNCTIONALITY
Session management
LSCP/RSTP trick play
Geo-location, Geo-blocking
Bandwidth management
PoP management & redundancy
Role hierarchy (Re-seller, Provider) for wholesale business model
Services supervision
Content management & storage (popularity)
Software license upgrades

SOFTWARE MODULES
Geo-location of end-users
Bandwidth Manager
Video Clusters Manager
Front Office for streaming
Back Office for provisioning
Toolkit to manage license upgrades
Cable Resource Manager

CONFIGURATION
Web-based GUI
Storage types (RAM, Flash, DAS, SAN)
Streaming capacity

ADMINISTRATION
Alarms and logs
Real-time resource utilization
Statistics and CDR export
Open interfaces towards third-party systems (ad insertion, bss, etc.)

STATISTICS
Bandwidth usage
VoD sessions, nTS sessions, nPVR sessions
Failed VoDs
Overall demand
Filter option by error type and time of day

PERFORMANCE (PER SERVER)
30.000 sessions

ORDERING INFORMATION
BkM100-10k
SENCORE BkM100 Mediator hardware-based, Linux, 2 RU, 10,000 simultaneous sessions, upgradable to 30,000 sessions.

SYSTEM ARCHITECTURE