www.tonercable.com



MediaCast Broadband Multicast Server for OTT Content Delivery





ENENSYS MediaCast Broadband is an efficient and robust Multicast Server. It is a unique Solution for Network Operators wishing to offer High-Quality of Experience Streaming TV services whatever the number of users. It also reduces the cost of scaling a traditional Unicast CDN network to support ever-growing video traffic demands and traffic peaks during prime-time and popular events. ENENSYS' software solution designed to support the multicast delivery of OTT content, linear TV streaming and filecasting services, over broadband networks

Standard Compliant

MediaCast Broadband is fully compliant with DVB-Multicast ABR (DVB-MABR) and DVB Native-IP (DVB-NIP). Active DVB members for years, our team chooses and implements the most relevant features from the DVB standards, so our clients can stay ahead of the competition.

Rich Functionality

We are proudly offering the 6th generation of MediaCast Broadband. It is FLUTE enabled by design and supports rigorous carrier requirements such as large file transmissions, real-time data feeds, rich HD video formats, DASH/HLS CMAF Ultra Low Latency. MediaCast Broadband manage several hundred streams simultaneously, scalable to thousands with a multi-server architecture.

Reliable Delivery

MediaCast Broadband offers powerful FEC, File Repair, and Reception Reporting capabilities to keep tabs on content quality and ensure consistent QoS. The FEC transmits redundant bytes up front to correct potential errors without retransmission. File Repair enables individual devices to acquire missing chunks of data by using traditional CDN capability in order to avoid deployment of additional component on operator's network. The Reception Reporting function stores QoE information that can eventually be processed for service improvements.

Eco-Friendly Product

MediaCast Broadband allows you to multicast your linear and file streaming services. The number of unicast streams will be greatly reduced during a popular event. This translates to fewer CDNs needed to handle peak issues. The power consumption and the ecological footprint of the entire network are reduced.

www.tonercable.com



MediaCast Broadband Multicast Server for OTT Content Delivery

Applications

- OTT / Multicast-ABR networks
- Live Streaming TV for popular content delivery
- File Multicasting for Push VOD, application updates...
- Satellite Backhauling for OTT TV Services
- 5G CDN and network scalability
- CDN Pre-caching
- Part of OTT@scale & StarStream Enensys' solution

Technical specifications

INTERFACES

Control 1x Network Interface to access GUI/SNMP/REST API

Data Plane

1x Network Interface for all multicast output streams

FEATURING

OTT

5510

Seamless integration with any CDN Multiple Origin Server support DVB compliant Multicast ABR

Service Delivery

Multiple Content Ingestions: HTTP, HTTPS, FTP or SFTP protocol Streaming: HLS, DASH (template or timeline), DASH CMAF Ultra Low Latency On-demand File (single delivery, carrousel, auto-update, scheduled repetitions) Service Announcement and In-band updates FLUTE: RFC-6726, DVB-I Specs FEC: FEC Raptor10: RFC-6681/5053, FEC LDPC: RFC-5170, FEC RS: RFC-

Monitoring and Supervision

SNMP v2/3 HTML5 Web based GUI Alarms configuration & monitoring, performance counters Inventory and configuration management Backup & restore REST API

Other benefits

- Delivers guaranteed bit rate live and linear video streams
- Ensures Digital-Terrestrial-TV-like latency and zapping times
- Reduces CDN cost for Live TV by more than 50%
- Decreases the cost of on-demand content delivery and software upgrades
- Eliminates peaks of traffic automatically
- Intuitive GUI Easy to setup and to monitor

Content Ingestion

1x Network Interface to manage all HLS, DASH, DASH CMAF Ultra Low Latency and on-demand File contents.

Multicast Service Controller

Service Creation Service Scheduling Service Planning and geo-planning

Associated Delivery Procedures

Bootstrap File Repair Reception Report / QoE Unicast Multicast automatic Switch (MooD) Consumption Report

System / Architecture

Active/hot-standby redundancy on Control Plane N+P redundancy on User Plane Geo-Redundancy IPv4 / IPv6 support for all interfaces

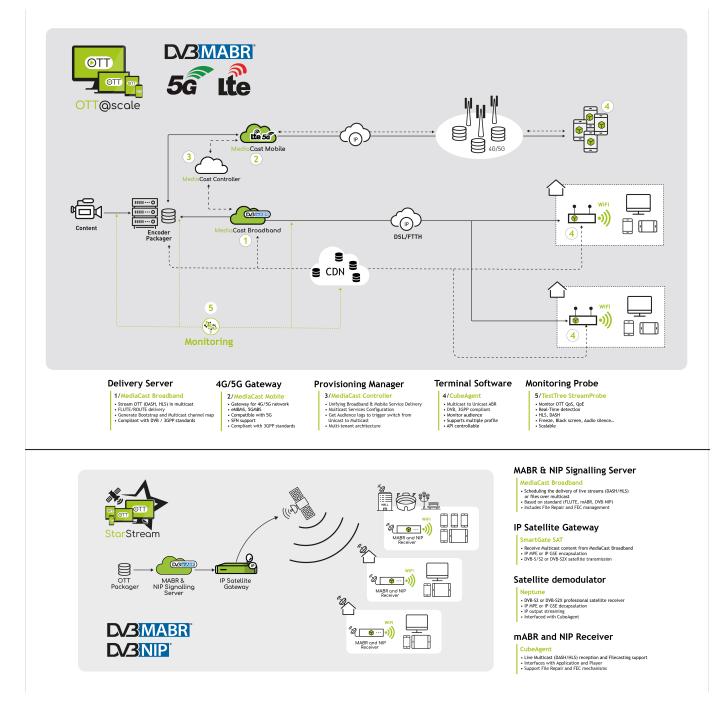


and a state of the second



MediaCast Broadband Multicast Server for OTT Content Delivery

MediaCast Broadband integration into end-to-end solutions



www.tonercable.com



MediaCast Broadband Multicast Server for OTT Content Delivery

PHYSICAL		
Installation	Processing	
Virtual Machine or Bare-Metal server	8 CPU - 16 CPU	
RAM	HDD	
16 GB	100 GB	

Ordering codes

MediaCast Broadband

MABR server for multicast delivery of video or multimedia content:

- Management of up to 100 Mb/s of ABR content

- Valid for 10 000 active users

Ordering options

MediaCastBroadband-50Mbps Support additional 50Mb/s of throughput MediaCastBroadband-50KUsers

Support additional 50 000 users