

MEDIA blaster

IPTV Video Streaming Gateway



Overview

When deploying IP based broadband networks that offer end to end voice, data and video services, operator are searching for solutions that will give them the competitive edge. The difference relies on reliability, flexibility and quality of services. Media Blaster, TV streaming platform represents a new concept of video streaming. Media Blaster enables operators stream top quality TV over IP based broadband network is multi service platform that IP Encapsulation (Convert MPEG-2 TS to IP packet), transmits, De-multiplexing MPTS to SPTS and recast up to 200 programs from one single Chassis.

The Media Blaster is flexible platform for providing high-speed IP TV services to customers in apartments (multi-dwelling units), student housing, hotels and or commercial/shared tenant environments. The Chassis accommodates up to 10 I/O line cards. Each line card can support a different loop technology, providing the utmost flexibility in service deployment.

Media Blaster's winning combination of full services range in a single box and reliability is ideal for enterprise that want to deploy TV broadcast over IP services systems and hospitality solution. Media Blaster offers all the features of suppllicated video streaming platform, in compact easy to deploy rack mount chassis - giving enterprises and organizations the best of both worlds; cost effectiveness together with top video quality, availability, and flexibility. For hospitality solutions, hotel, hospitals, company, and even cruise ships can take advantage of Media Blaster's live streaming capabilities, DVD quality video and multi-channel supports.

Media Blaster modular and scalable design lets you take a gradual approach to setting up your streaming solution, without compromising on quality.

Key Features

- Basic 1000 Base LX supported
- Max 4 optic TX one optic RX supported
- Max 20 Transponder Input process supported
- DVB-S / S2 supported (QAM, DVB-ASI, ATSC, DVB-T option)
- IP Multicasting supported
- De-multiplexing MPTS to SPTS
- MPEG-2 TS over UDP supported
- IGMP supported
- SNMP Remote Management & Monitoring supported



Specification

Number of Input Transponder	: Max 20
Connector Type	: 1000 BASE-LX
Number of Optic TX/RX Port	: 4TX 1RX
The method of Multicast IP assignment for SPTS	: Passivity
The type of Protocol for streaming	: MPEG-2 TS over UDP
Protocol for session with STB	: No need
Number of Client for simultaneous broadcasting	: Unlimited
Capacity of Network Extension	: Unlimited
Network Bandwidth in between Media Blaster to L3 Switch	: Approx full gigabit bandwidth
Load factor for Multicast stream process in L3 switch	: Caused by use Multicast IP only, not RTSP There are no additional Load factor being except STB and IGMP Control
The fact of IP STB modification job	: IGMP support Modify of Ethernet Input Interface module Modify of TS and Parsing part in EPG section

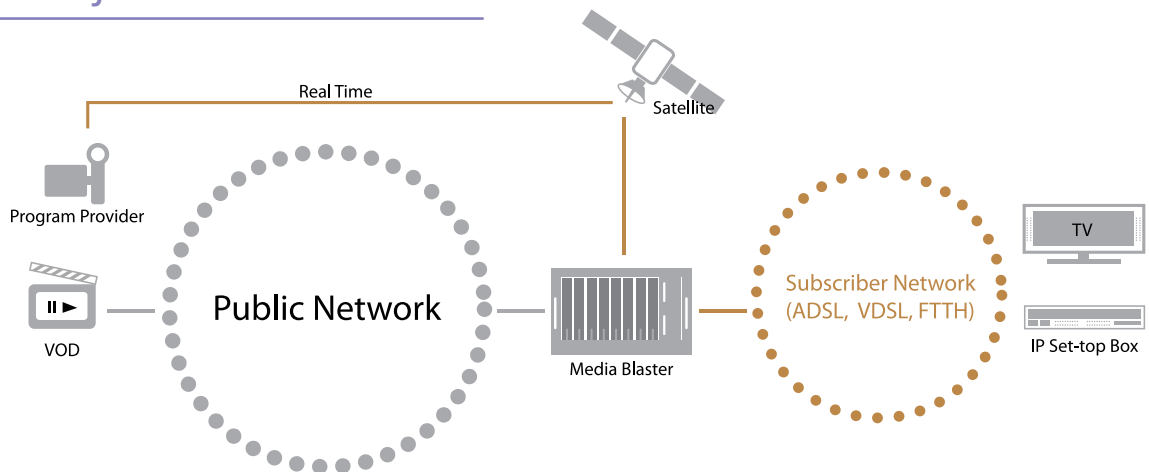
Take
a Look!

Line Card Module



Each Mpeg-2 TS Line Card module enables live encapsulating, de-muxing, and transcoding of next generation of IP TV platform. The Line card module can process any digital video Input (Mpeg-2 TS) into IP Packet stream. This module is part of a system specifically designed to address application where high availability, full redundancy and no single point of failure are all crucial parameters. A real-time operating a system controls each module separately, assuring constant streaming of live TV content. Modules can be configured to 1+1 and N+K redundancy according to application demands. All parts are hot swappable and support hot-standby redundancy.

Save your Bandwidth



Power Module

Power Consumption : AC 220V / 1.5A
AC 220V \pm 15%
Operation line frequency : 60Hz
(47Hz ~63Hz)
Line Regulation : \leq 3%
Load Regulation : \leq 5%

Generating Power Capacity

Voltage	Voltage	Max Load
+5V	+5V	15A
+12V	1A	5A
+24V	0A	400mA



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