HotelTV/VOD Server
Solution for Hotels

KEY FEATURES

- **Large hotel deployment capability for a large number of concurrent streams and large number of rooms**

- **Native DVB channel support and scaleable deployment of multiple servers**

- **DVB-S/DVB-C/DVB-T Cards with multiple transponders and FTA/Encryption channel support**

- **Advanced VOD function with 1TB disk for large VOD movie database storage**

- **Integrated Billing for IPTV/VOD session tracking by MAC/IP address**

- **Optional Micros-Fidelio and other third-party PMS Interface**

- **Support for unicast and multicast channel distribution**

- **Graphical Administrative User Interface for Channel Lists and Subscribers**

- **Optional STB Commands module to allow real-time command execution on STB devices**
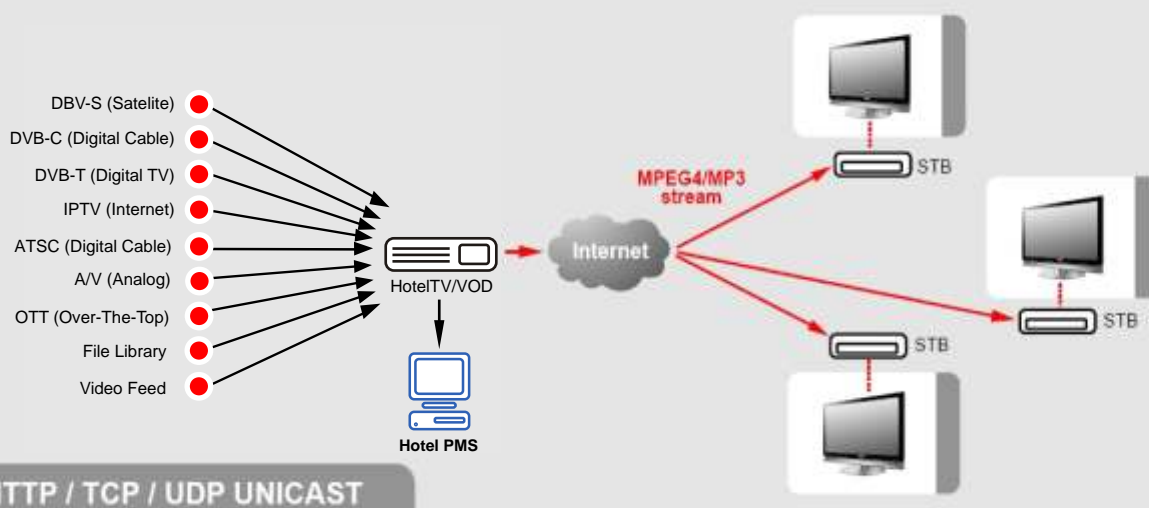
Problem:

Hotel operator is looking for IPTV and VOD solution that can be integrated with his PMS system to allow hotel guest to watch and be billed for IPTV and VOD services. The operator wants to use a single server that has integrated all required advanced VOD/IPTV functionality, and at the same time provide interface to the existing PMS system.
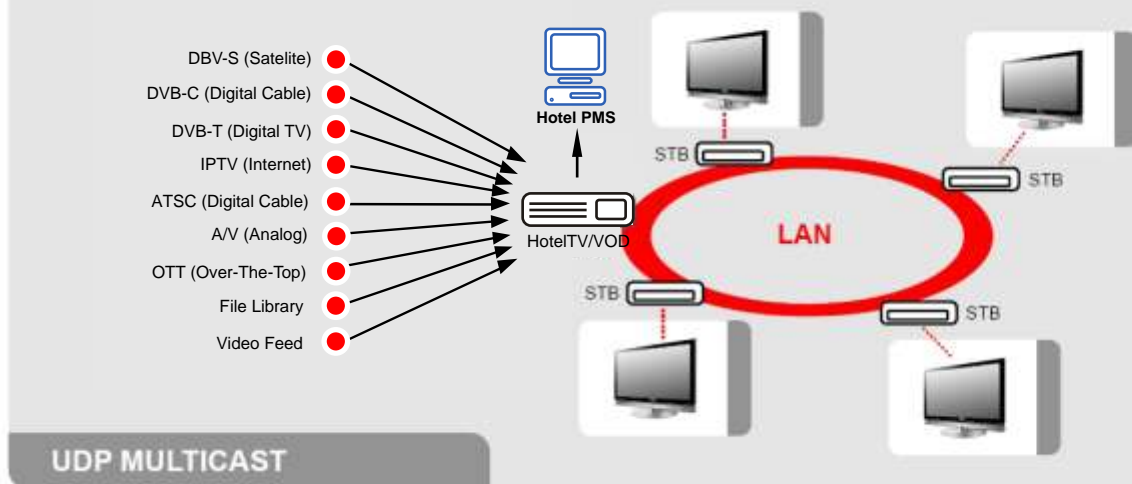
Solution:

Sysmaster Corporation offers an all-in-one server that integrates IPTV, VOD, Billing functionality. The HotelTV/VOD server can also be interfaces to Fidelio PMS system using a specialized optional module. The server controls all IPTV/VOD streams in real-time, and allows easy authentication, authorization, and accounting of all subscriber sessions.

HOTEL TV/VOD IPTV UNICAST SOLUTION

DBV-S (Satelite)
DVB-C (Digital Cable)
DVB-T (Digital TV)
IPTV (Internet)
ATSC (Digital Cable)
A/V (Analog)
OTT (Over-The-Top)
File Library
Video Feed

HotelTV/VOD

MPEG4/MP3 stream

Internet

STB
STB
STB

Hotel PMS

HTTP / TCP / UDP UNICAST

HOTEL TV/VOD IPTV MULTICAST SOLUTION

DBV-S (Satelite)
DVB-C (Digital Cable)
DVB-T (Digital TV)
IPTV (Internet)
ATSC (Digital Cable)
A/V (Analog)
OTT (Over-The-Top)
File Library
Video Feed

Hotel PMS

HotelTV/VOD

STB
STB
STB
STB

LAN

UDP MULTICAST

Large hotel deployment capability for a large number of concurrent streams and large number of rooms

HotelTV/VOD server supports unlimited number of hotel rooms and a large number of concurrent streams in unicast mode. The system will allow STB devices located in the hotel to authenticate and authorize, IPTV and VOD channels and receive streaming services using unicast or multicast streams. The HotelTV/VOD does not provide channel codec conversion, so all DVB-S/DVB-C/DVB-T channels are distributed using the same video

Native DVB channel support and scaleable Deployment of multiple servers

HotelTV/VOD server natively supports two DVB transponders for up to 30 channels. If additional channels are required then the servers can be staked up using Broadcaster servers. This procedure allows virtually unlimited number of channel support and flexible channel list/EPG control form a central location.

DVB-S/DVB-C/DVB-T Cards with multiple transponder and FTA/Encryption channel support

HotelTV/VOD supports DVB-S/DVB-S2/DVB-C/DVB-T cards for multiple transponders. The server will process FTA (free-to-air) and encrypted channels simultaneously. If additional transponder support is required, additional broadcaster servers can be added on. In addition, the HotelTV/VOD includes an integrated card reader to allow decryption of popular encrypted channels using Conax, ViaAccess, Irdeto and other encryption algorithms.

Advanced VOD function with 1TB disk for large VOD movie database storage

HotelTV/VOD offers an advanced VOD function with integrated 1TB hard disk space to allow large storage for VOD movies. The administrators can upload unlimited number of movies on the fly, and create special billing rules for every single media object. The usage can be tracked using the reporting tools included in the system. In addition, the PMS API allows information distribution to the central PMS system to allow real-time billing.

Integrated Billing for IPTV/VOD session tracking by MAC/IP address

HotelTV/VOD supports an integrated session tracking mechanism to authenticate and authorize all subscribers by MAC address or IP address. The administrators can define as many subscriber accounts as necessary to ensure that all hotel STB devices are properly tracked, authenticated, and billed for.

Optional Micros-Fidelio and other third-party PMS Interface

HotelTV/VOD server supports an optional interface for third-party PMS systems including Fidelio. The server can also be natively integrated to other PMS system using its embedded API. Customer can also do easily the integration themselves.

HotelTV / VOD IPTV SERVER

HotelTV / VOD IPTV SERVER

Support for unicast and multicast channel distribution

HotelTV/VOD allows channel distribution via unicast or multicast for flexible STB integration. Multicast is commonly used in LAN environments, while unicast is used in LAN/WAN environments and VOD processing.

Graphical Administrative User Interface for Channel Lists and Subscribers

HotelTV/VOD offers user-friendly, graphical interface that allows advanced management of channel lists, subscribers, access control rules, and billing routines. The interface also supports historical reporting functions and real-time stream information.

Optional STB Commands module to allow real-time command execution on STB devices

HotelTV/VOD supports optional STB commands module that will execute remote commands on the STB devices. The same module can be used to send Guest welcome messages, and text messages in real-time, change channel to emergency or advertising content, mute the volume, and turn off the TV (requires serial interface).

Technical Specifications *

Connectors/Interfaces:
- 2DVB-S/4DVB-T
- Up to 300 Unicast Streams
- 24 Enc/30 FTA Real-Time IPTV Channels
- Optional PMS Interface
- Basic IPT/VOD Billing
- Content Management
- Content Plan Management
- Integrated Streamer
- Multicast Support
- Unicast Support
- OTT Channel Support
- STB Integration
- Middleware Integration
- Hotel Services Integration
- Remote STB Management
- Emergency Services Support
- Micros-Fidelio Interface
- Hardware Integration
- Large Number of File Formats
- Integrated VOD Space

Protocols:
- Interface to TV sets (RS232)
- HTTP Live Stream (HLS) Support
- Additional IPTV GW Support
- Integrated IPTV Gateway
- HTTP
- MMS
- FLV/Flash
- RTSP
- RTMP
- PROGRESSIVE DOWNLOAD

Dimensions:
- 9.4" (W) x 1.2" (H) x 6" (D)

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