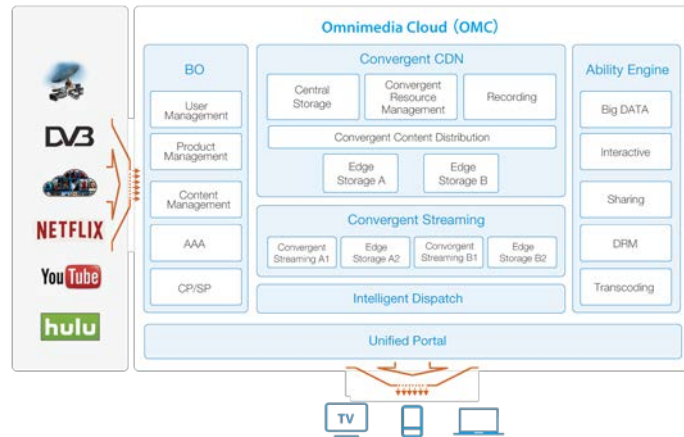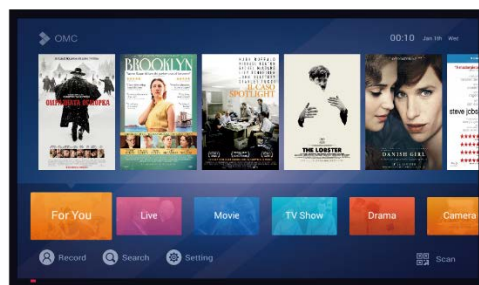# Sumavision OTT/IPTV Solution Introduction

As the world's leading video delivery solutions provider, Sumavision can provide a total end-to-end OTT/IPTV solution including OTT platform, CDN, transcoding service and IP STB for customers. And in each part, Sumavision can provide an excellent product to meet all the demands from customer's operation services.
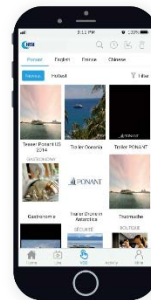
OTT/IPTV Platform

Sumavision OTT/IPTV platform, named Omni-Media Cloud (OMC), is a latest generation convergent platform, which can realize video source and watching mode diversification, personalized recommendation and content sharing, extreme user experience, etc.

STB Portal   Phone Portal

Features

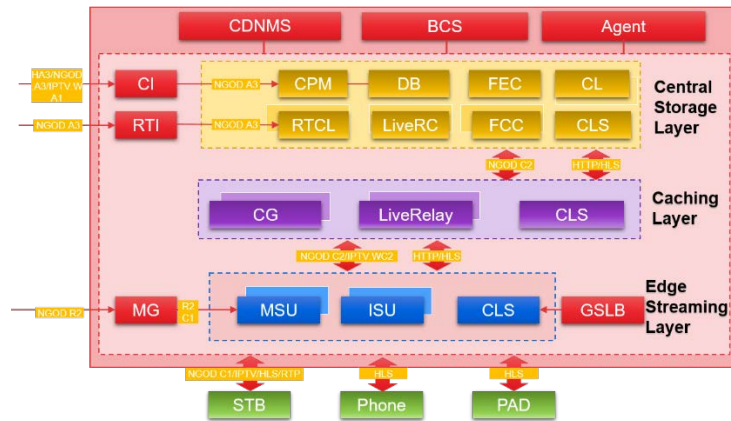|		
Live Broadcast	VOD	Catch-up
Time Shift	Multi screen Interactive	Program Recommendation
Content Sharing	Mobile Remote Control	Voice Control
Social TV DRM	Advertisement	Online Payment

CDN

Sumavision CDN adopts a hierarchical structure, which is divided into a three-layer structure of central storage layer, caching layer and edge streaming layer. Among them, the central storage layer is responsible for the storage of media files, the caching layer is responsible for caching popular programs, and the edge streaming layer is responsible for providing streaming services of various protocols for the customers.
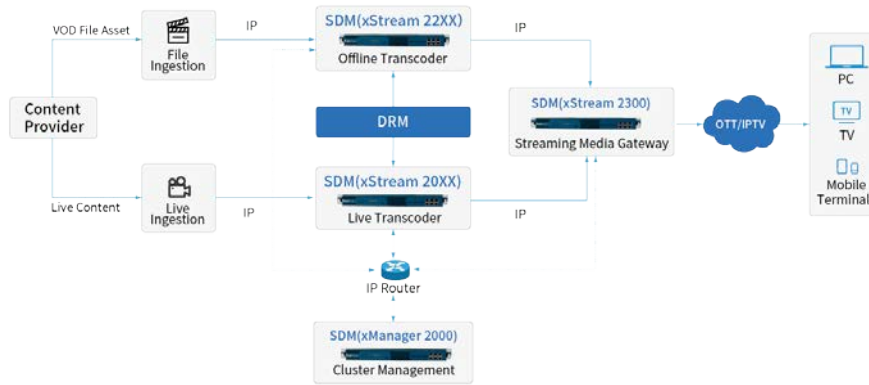

Features

- ✓ Multi-bitrate injection: support multiple bitrates convergent injection
- ✓ Efficient caching technology: LRU+ARC+FIFO
- ✓ Multi-service scenario: VOD, IPTV, OTT
- ✓ Convergent streaming: support RTSP (UDP/TCP), HLS, MPEG DASH, TS/FLV/MP4 over HTTP and other streaming media transmission protocols
- ✓ Hierarchical deployment: support system smooth expansion
- ✓ Support QoS guarantee technology
- ✓ UHD experience: support 4K/H.265 service

Transcoding system

Sumavision transcoding system gives users full package of tools to produce their videos as they want and deliver to any terminals that subscribers have, including video format and resolution transcoding, logo insertion, subtitle insertion, packaging and streaming.

Features

✓ Ideally for transcoding and streaming of video services

✓ Support UDP-TS, HTTP-TS, HTTP-FLV, RTMP, HLS, HDS, MPEG DASH, RTSP, etc.

✓ Dynamic processing and parallel creation of multiple format TV assets

✓ 1+1 redundancy with seamless live switching

✓ Support Ad-insertion, Logo insertion, Sub-title insertion

✓ Built-in origin server for direct CDN interface

IP STB

Sumavision IP STBs are all based on the latest version of android system, and the user interface is very friendly, which provides excellent using experience to customers. The appearance and configuration can be changed according to personalized requirements.

Items	Details
Operation System	Android 9.0
Language	Chinese, English ...Multi-Language support
Chipset	Quad Core ARM Cortex A53 2GHz 18400DMIPS
GPU	OpenGL ES2.0 and 1.1, OpenVG 1.1 Penta-core ARM

	Mali-450 GPU up to 750MHz
SDRAM	DDR4 1/2GB
Flash	8GB Nand Flash or Emmc
Storage Extension	Support MicroSD(TF), Up to 32GB
Network	2.4/5.8GHZ WiFi 802.11 b/g/n/ac, LAN 10/100M Base-T MIMO
Bluetooth	Support BT4.5 Module
HDMI Out	1xHDMI, HDMI1.4B 4k
MINI CVBS	1xMINI CVBS
SPDIF	1xSPDIF
USB Port	2xUSB2.0/3.0
Card Reader	1xMicro SD card (TF card) reader
Network	1xRJ45 LAN Port
Audio Container	Support MP1, MP2, MP3, WMA, WAV, OGG, OGA, APE, FLAC, Dolby Digital, 3GPP, etc.
Video Decoder	MPEG-1, MPEG-2, MPEG-4, MPEG, H.263, H.264, H.265, AVS+, AVS, MVC, VC-1, RV8/9/10, DIVX, XVID, etc.
Resolution	4K*2Kp30/1080p60/1080p30/1080p24/1080i60/1080i50/ 720p/576p/576i/480p/480i
Image Decoder	JPEG, BMP, GIF, PNG, TIF