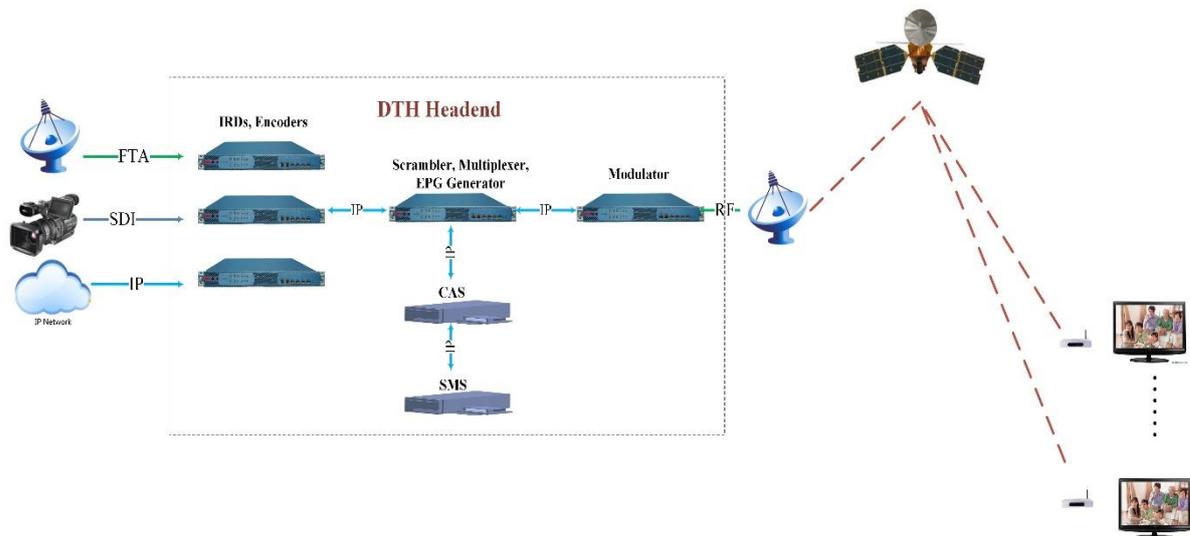


Sumavision DTH Total Solution



Direct-to-home (DTH) television is a method of receiving television programs via signals transmitted from direct-broadcast satellites. DTH is the technology under which it is not necessary to take cable connection, instead, dishes are used to receive TV programs, to conquer the problem of location limitation.

Sumavision DTH total solution is an ideal solution for Satellite DTV operators who intent to establish new DVB-S/S2 system or extend their existing system to cover a large number of subscribers.

System Structure

Sumavision's DTH total solution includes DTH head-end part and Home parts. In DTH head-end part, Source EMRs (Enhanced Multimedia Router) can do all the work for program gathering from different sources, including satellite streams, DVB-T2 and IP signal receiving, SDI source encoding and so on. One EMR will do all the signal

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processing work, such as program transcoding, scrambling, re-multiplexing, statistical multiplexing, EPG generating and so on.

High Security CAS is used to make all the channels 100% safe via satellite transmitting. All programs are modulated and then transmitted to base earth station.

In Home parts, each subscriber only needs an IRD with antenna. This IRD decoder will also use High Security Chipset to descramble the High Security channels from the DTH head-end.

System Features

- Ultra-high density source platform -- Three 1-RU EMRs support all the channels for a medium-size DTV operator from satellites, encoding and IP source.
- Most flexible signal processing platform -- support mainstream CAM, BISS 1/E decryption, support Gigabit TS input/output over IP, support up to 24 channels statistical multiplexing in one function card, etc.
- No need EPG server, one EPG processing card supports fixed formats (txt, xml file, etc.), EPG information receiving, edit and re-multiplexing.
- Support H.264 programs transcoding and statistical multiplexing, one transcoding card can support up to 24 SD channels transcoding and statistical multiplexing.
- Green design for DTH head-end solution, ultra-high integration to save device number, room space and maintenance cost.
- High Security CAS solution can perfectly protect the programs, with statistics & analysis technology to prevent CW sharing, Encrypted STB and smart card communication, multiple secret keys associated with algorithms, content delivery tracking strategy, etc.
- Most advanced security solution by using advanced security chipset.
- Total solution from DTH head-end to transmitter to satellite dish and then to satellite decoders. Able to provide one-station service for the whole system.

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