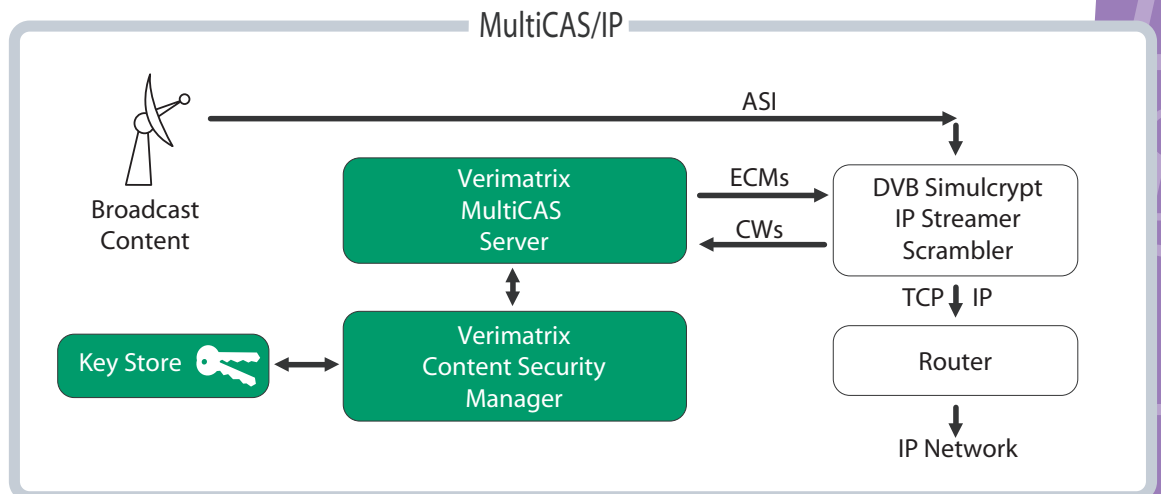


High Performance Broadcast Encryption for IPTV

The Verimatrix MultiCAS server is a key option within the Video Content Authority System (VCAS) that integrates high performance IPTV head-end scrambler equipment with robust software-based content security.

MultiCAS/IP uses DVB Simulcrypt to enable VCAS-compatible encryption of multicast streams in an IPTV system. Integration of MultiCAS with commercial multiplexer and IP streamer equipment enables Advanced Encryption Standard (AES) scrambling of MPEG-2 and MPEG-4 multicast IP encapsulated content at high data rates across multiple service streams. Timing of key change intervals and other service parameters are managed directly through the multiplexer interface, while MultiCAS inserts VCAS formatted ECM packets within the transport stream to support client service decryption.

MultiCAS interfaces directly with DVB Simulcrypt-compatible video, audio and data multiplexer and IP streamer equipment from leading head-end vendors.



Features

Platform OS	Solaris 10, Linux (RHE v4/5)
Head-end interfaces	Compliant to DVB Simulcrypt
Key mutation rate	User selectable per stream, up to 2/sec
Content encryption	128bit AES, others as supported by scrambler
Capacity	128 channels per multiplexer/streamer
Network Management	SNMP
Equipment compatibility	Adtec Digital, Harmonic, Scientific Atlanta (a Cisco company), Tandberg Television, Thomson and other vendors supporting DVB Simulcrypt.

MultiCAS/IP offers a high performance hardware alternative to the Verimatrix Real Time Encryption Server (RTES) for broadcast content encryption when used in conjunction with 3rd-party head-end scrambling equipment. The option of using a MultiCAS-based configuration provides additional choices in overall rack space usage, equipment redundancy and system management when configuring an IPTV head-end.