VERIMATRIX VCAS

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Verimatrix VCAS provides end-to-end content and revenue security across a wide range of networks and device types.

Key features

- Multi-network support for IPTV, DVB, DVB Hybrid, Broadcast Hybrid

- Modular architecture with flexible configurations designed for IP-centric, one-way DVB and hybrid networks

- Compliant with technology standards and studio specifications, including MovieLabs protection for UHD content and requirements for third-party audits

- Scalable from smallest deployments to millions of subscribers

- Industry-leading solutions deployed with operators globally

- Secures set-tops, smart TVs, iOS and Android devices, etc.

- Mature and future-proofed platform, in its 4th generation

The video industry continues to evolve. New technologies and business models have created opportunities for video service operators and expanded choice for consumers. But these changes have also impacted security and made it necessary to find better ways to protect both content rights and the revenue that they generate.

Verimatrix VCAS

Verimatrix VCAS secures content and revenue for all kinds of networks and device types. The VCAS architecture provides software-based solution profiles for managed and unmanaged IP networks, as well as unconnected (one-way) DVB networks through a single, unified operator interface. An adaptable platform proven in many hundreds of deployments

globally, VCAS enables video service providers to secure and enhance their business.

Multi-Network Support

The component-based VCAS architecture enables multiple network deployment profiles, including IPTV, DVB Hybrid and Broadcast Hybrid:

VCAS for IPTV exploits the power of two-way broadband infrastructure and Verimatrix technology, including client-side Watermarking, to provide a superior level of multi-screen content and revenue security for IPTV set-tops, smart TVs and other connected devices over managed IPTV networks. This approach is ideal for "walled garden" IPTV services, broadcast-hybrid services, wholesale-retail content distribution and hospitality IPTV.

VCAS for DVB Hybrid complies with all applicable DVB standards, including DVB Simulcrypt, and is pre-integrated with a broad range of video headend systems. It also supports client-side Watermarking and expands subscriber reach with enhanced revenue security for high-value content while integrating premium OTT delivery through standard ABR protocols. The solution enables advanced Pay TV business models within VCAS-secured hybrid one-way / OTT networks.

VCAS for Broadcast Hybrid enables rights management across RF linear, multicast linear and ABR-streamed on-demand content. The solution generates ECMs in conjunction with third-party Simulcrypt-capable broadcast gear. Verimatrix offers optimum support for operators advancing beyond silo-based, single network content protection and helps them remain competitive while moving into a world of multi-network revenue security.

VCAS Components

Those three profiles rest on a common platform. Shared in most deployment scenarios are several foundational elements, including the following:

- **Operator Management Interface (OMI)**
  Core administrative component of VCAS; provides a single integration point for customer care, billing and middleware systems

- **Content Security Manager**
  Supports authentication, key distribution and user control

- **Encryption systems**
  Real-Time Encryption Server (RTES) encrypts streams; VOD Encryption Manager pre-encrypts VOD assets; Encryption Engine encapsulates cryptographic operations; MultiCAS integrates with third-party AES scramblers

- **Card-less security**
  Code that implements security on set-tops, DVRs, other CPE and customer-provided video display devices

Conditional Access and Trust

Transitions can lead to uncertainty. Verimatrix VCAS offers stakeholders in the new multi-network service paradigm several constants: greater trust between rights owners and video service providers or distribution networks; and high-value content on whatever screens and networks viewers may chose.

For further details on all of Verimatrix solutions, visit www.verimatrix.com

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