VCAS ULTRA

The Future of Pay TV Revenue Security

verimatrix®

REVENUE SECURITY FOR TODAY AND TOMORROW

THE CHALLENGE

With the future of pay TV service delivery based on software and IP-based technologies, operators need a solution that supports new delivery models and a fast-moving device landscape.

Specific technical and commercial business implications to consider are:

- Smooth transition from today's network architectures to fully enabled IP solutions
- Competitive demands for UHD/4K premium services
- Harmonized security requirements across broadcast and unicast service models

|	
Standard Security	SD/HD
Advanced Security	Premium HD
Ultra Security - NEW	Ultra HD

THE SOLUTION

VCAS Ultra provides operators with a comprehensive multi-network revenue security solution that is flexible to deploy and offers smooth scalability for future goals and service growth. Architected to enable the transition towards IP and software-based video delivery, VCAS Ultra extends an operators' reach to premium UHD services and advanced hybrid network deployments.

Verimatrix has invested extensively into the research and development of VCAS Ultra, striving to provide the upmost features and benefits for today's software-empowered operator:

- Fulfillment of MovieLabs UHD security requirements including integrated VideoMark® watermarking with added TrustZone® support
- Flexible deployment options configured to support cloud, server, virtual or mixed integration models
- Harmonized security supporting HLS and MPEG-DASH standards, plus hybrid network support such as HbbTV
- Improved threat monitoring, system performance and analytics with optional Verspective™ services add-on
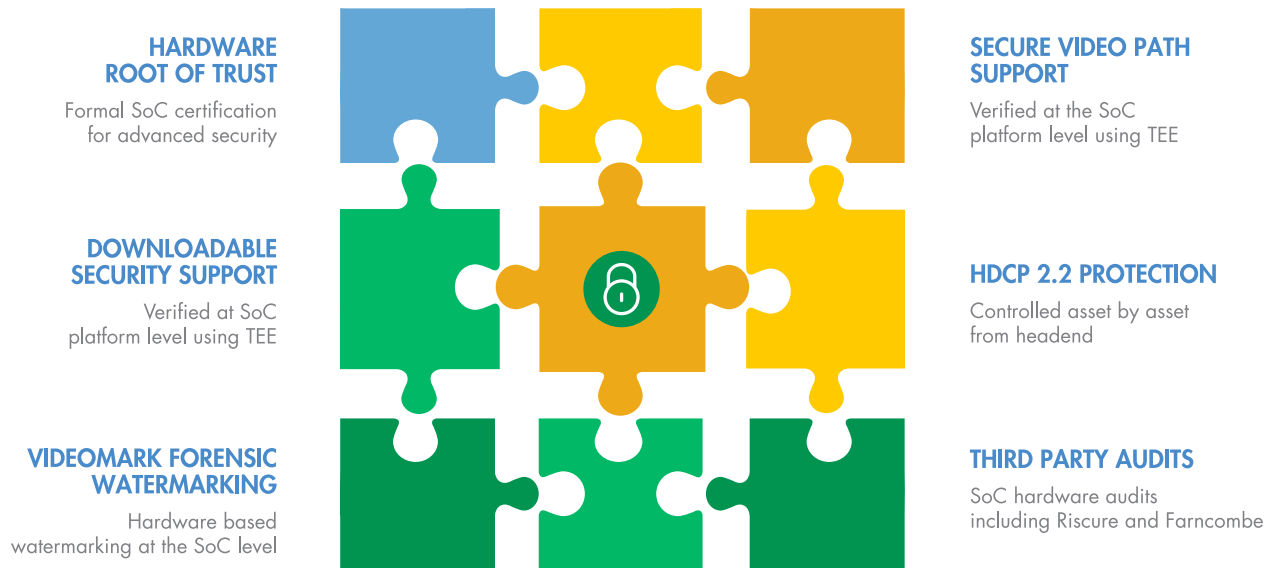
VCAS ULTRA – SECURITY SYSTEM ARCHITECTURE
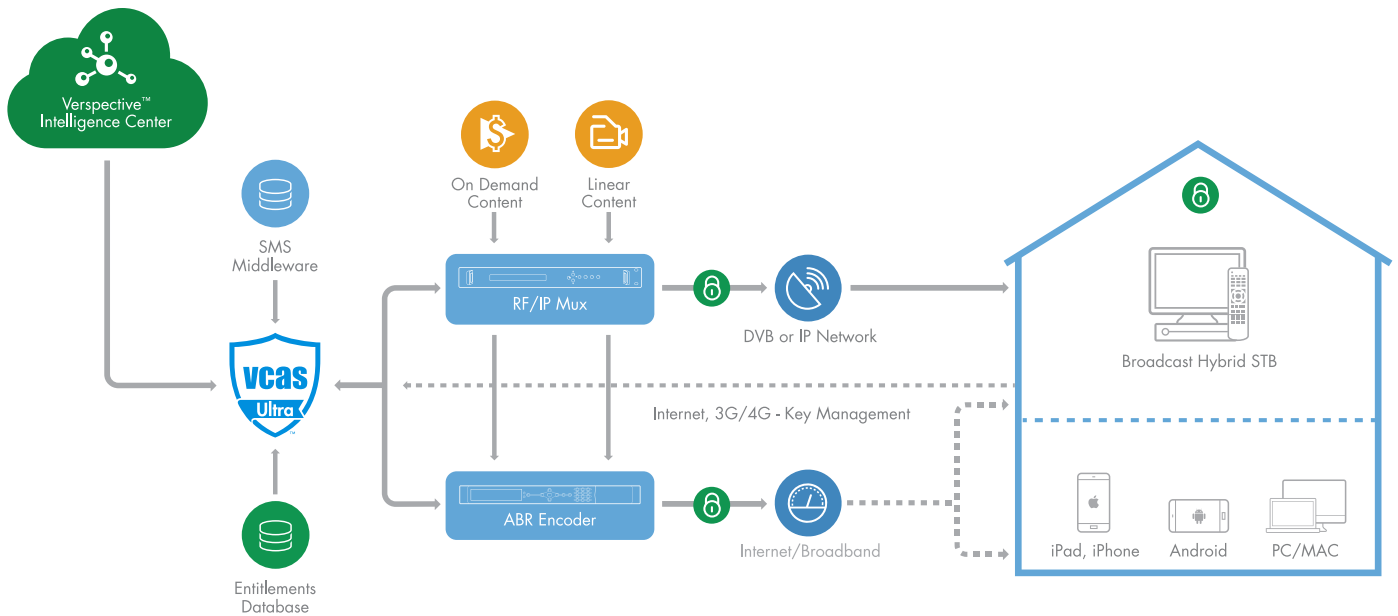
COMPONENTS OF UHD/4K SECURITY

The commercial opportunity for premium UHD/4K video services is complemented by a redefined range of security requirements developed by Hollywood studios. VCAS Ultra service protection is derived from 17 years of expertise in developing, refining and supported software-based security systems for premium service delivery. The application of these techniques to UHD/4K content is shaped by the fundamental components of the security requirements.

VCAS ULTRA TARGETS HIGHEST LEVEL OF SECURITY

HARDWARE ROOT OF TRUST
Formal SoC certification for advanced security

DOWNLOADABLE SECURITY SUPPORT
Verified at SoC platform level using TEE

VIDEOMARK FORENSIC WATERMARKING
Hardware based watermarking at the SoC level

SECURE VIDEO PATH SUPPORT
Verified at the SoC platform level using TEE

HDCP 2.2 PROTECTION
Controlled asset by asset from headend

THIRD PARTY AUDITS
SoC hardware audits including Riscure and Farncombe

verimatrix®

ABOUT VERIMATRIX

Verimatrix specializes in securing and enhancing revenue for multi-network, multi-screen digital TV services and is recognized as the global number one in revenue security for connected video devices. Its award-winning Video Content Authority System (VCAS™) solutions enable video service providers to cost-effectively extend networks and enable new business models. www.verimatrix.com

EUROPE, MIDDLE EAST, AFRICA HQ
Verimatrix GmbH
Fraunhoferstr. 7
85737 Ismaning, Germany

Tel: +49 89 55265 100 | Fax: +49 89 55265 101

GLOBAL AND AMERICAS HQ
Verimatrix, Inc.
6059 Cornerstone Court West
San Diego, CA 92121 USA
Tel: +1 858 677 7800 | Fax: +1 858 677 7804
www.verimatrix.com | info@verimatrix.com

ASIA PACIFIC HQ
Verimatrix Singapore
101 Thomson Road
#22-01A United Square, Singapore 307591
Tel: +65 6353 9430 | Fax: +65 6252 5185