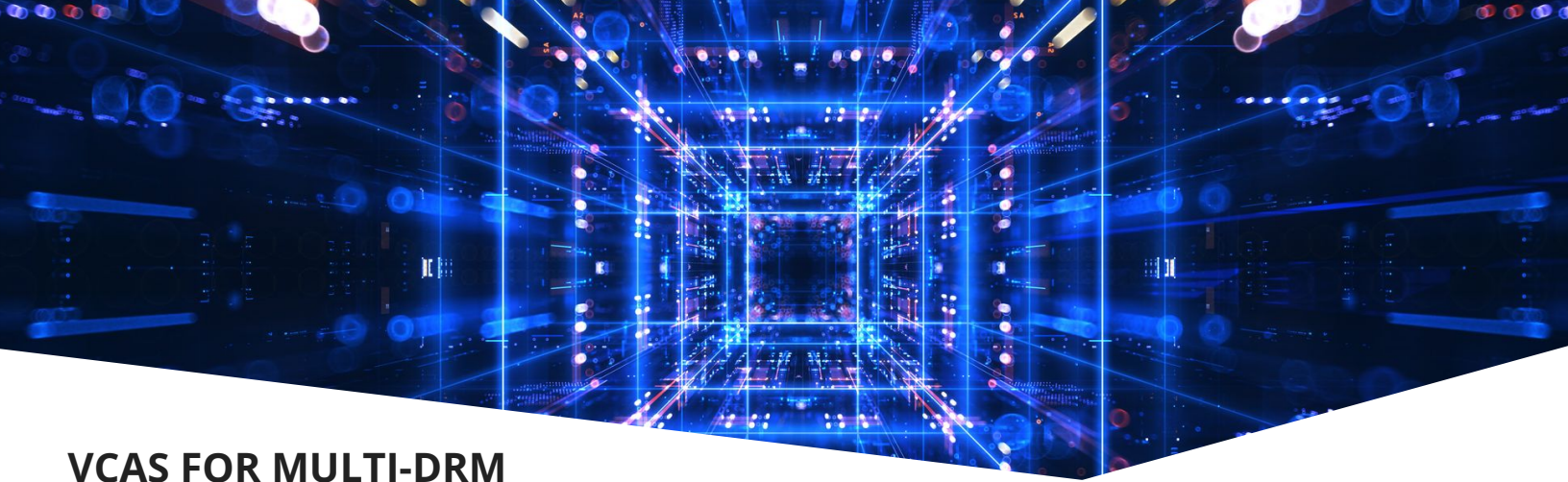![Verimatrix — DRIVING TRUST]

Flexible and Secure Streaming

Effortless Integration, Enhanced Security, Scalability and Unified Management Across Multiple Networks and Devices.

Verimatrix VCAS for Multi-DRM

PRODUCT BRIEF

VCAS FOR MULTI-DRM

In the dynamic world of digital streaming, the demand for diverse and accessible video content is reaching unprecedented heights. As consumers increasingly turn towards OTT platforms for both on-demand and live streaming experiences, the need for robust, versatile, and secure content delivery has never been more critical. Enter Verimatrix VCAS for Multi-DRM – the solution designed to empower OTT service providers in this fast-paced, ever-growing market.

Broad Device Compatibility
Verimatrix solution transcends device limitations, ensuring your content is accessible across a wide range of platforms supporting Google Widevine, Apple Fairplay, Microsoft PlayReady, and Verimatrix proprietary DRM InternetTV. This broad compatibility maximizes your content's reach and ensures a seamless viewing experience for your audience.

Advanced Security Features
At the core of Verimatrix VCAS for Multi-DRM is a commitment to unparalleled security. Our multi-layered DRM approach is designed to combat piracy and unauthorized access, safeguarding your content and protecting your revenue streams in an increasingly digital world.

Support for Diverse Streaming Models
Catering to a variety of viewer preferences, Verimatrix VCAS for Multi-DRM is equipped to support multiple streaming models including SVOD, AVOD, FAST, and a la carte services. This versatility allows you to explore new markets and cater to a broader audience, enhancing your service's appeal and profitability.

A single Management interface
A unique value-add by Verimatrix is the common VCAS entitlement and management interface, providing a single point of integration with back-end systems like middleware and subscriber management/billing systems. VCAS enables cross-DRM domain management (i.e., VCAS Super Domains), allowing content entitled to a subscriber's domain to be automatically available to all domain devices, whether they are IPTV, DVB, Hybrid, or OTT clients.

Versatile Deployment Options
Understanding that one size does not fit all, Verimatrix VCAS for Multi-DRM presents a unique offering with dual deployment options. Choose between on-premises installation for complete control and integration within your existing infrastructure, or opt for the convenience and scalability of Verimatrix VCAS as a SaaS solution. This flexibility ensures that whether your operation is large or small, or your needs change over time, our solution evolves with you.

VCAS – A Comprehensive Security for Diverse Media Environments
The Verimatrix Video Content Authority System (VCAS™) represents a paradigm shift in content security and rights management for digital TV operators. Built on a common system core, VCAS offers market-specific solutions through modular extensions, catering to the unique demands of different segments. This unified approach provides a single security authority across multiple networks and devices, ensuring a streamlined and cohesive management of content rights.

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Key Components of the VCAS Ecosystem:

- **VCAS for IPTV:** Tailored for managed networks, VCAS for IPTV supports broadcast-IP hybrid networks, catering to various distribution models, including wholesale/retail and hospitality-focused versions. This solution guarantees secure and high-quality IPTV service delivery.
- **VCAS for Internet TV:** Designed to support a diverse set of unmanaged networks, ensuring robust security for streaming services.
- V**CAS for DVB:** Focused on "one-way" broadcast networks, including DVB-Hybrid setups with integrated IP video, VCAS for DVB is perfect for operators seeking a secure broadcast solution that harmonizes traditional and modern delivery methods.
- **VCAS for Multi-DRM:** Offers seamless multi-DRM support, integrating all major DRM technologies. VideoMark™ Forensic Watermarking: This technology is crucial for tracking and preventing piracy, maintaining the integrity and value of the content.

VCAS FOR MULTI-DRM: OVERVIEW

The MultiRights framework integrates major third-party DRM schemes along with Verimatrix's proprietary Internet TV DRM. It facilitates comprehensive revenue security management, compatible with a range of devices including STBs, PCs, connected TVs, and mobile devices with suitable media players and DRM clients. This broad compatibility is essential for extensive content distribution.

Transparent User Experience in a Multi-DRM Universe:
MultiRights aims to deliver a smooth user experience across various DRM systems. VCAS framework includes:

- **Unified DRM Formats and Protection Regimes**: Offers a single content authority and service management for different DRM formats across various devices and networks, ensuring uniform handling.
- **VCAS Operator Management Interface (OMI)**: Serves as a centralized integration point for customer support, billing, and middleware systems. OMI enables consistent subscriber and rights management across diverse networks and devices (DVB, IPTV, Internet TV/OTT, and hybrids).
- **Multiple DRM-specific License Servers**: These servers handle requests from different device types, unified under VCAS application logic for consistent entitlement management.
- **Evolution Path for IPTV and DVB Operators**: Supports the transition to integrated services across heterogeneous networks and enhances content security for CE devices and HTML5 browsers.
- **Enhancing DRM Security Models**: MultiRights strengthens DRM security models to accommodate both subscription and transaction-based pay-TV services, particularly focusing on secure decryption key management, ensuring distribution only to authorized devices.
- **Secure Device Management**: Implements business rules for consumer device limits and restricts access to unauthorized devices.
- **Monitoring and Reporting**: Provides comprehensive usage reports and dashboards.
- **Flexible Deployment Options**: MultiRights functions as either a standalone OTT solution or as part of a comprehensive VCAS multi-screen, multi-network security framework.

VCAS for Multi-DRM main interfaces

The VCAS for Multi-DRM system interacts with various external components to distribute content keys in alignment with specified business and security protocols. The primary components featuring external interfaces include:

- **Multi-DRM Endpoints**: These endpoints form the external interface for all supported DRM clients, facilitating DRM license requests for content playback. Each DRM component is controlled via the Verimatrix Content Security Manager, which ensures only legitimate requests receive a key and enforces the necessary rules for those keys.
- **Verimatrix MultiCAS**: Supplies keys to encoders, encryptors, or packagers. This solution is seamlessly integrated with all major key packagers.
- **Verimatrix OMI (Operator Management Interface)**: Serves as a centralized platform for integration with the subscriber management system, enabling the establishment of content and user policies.
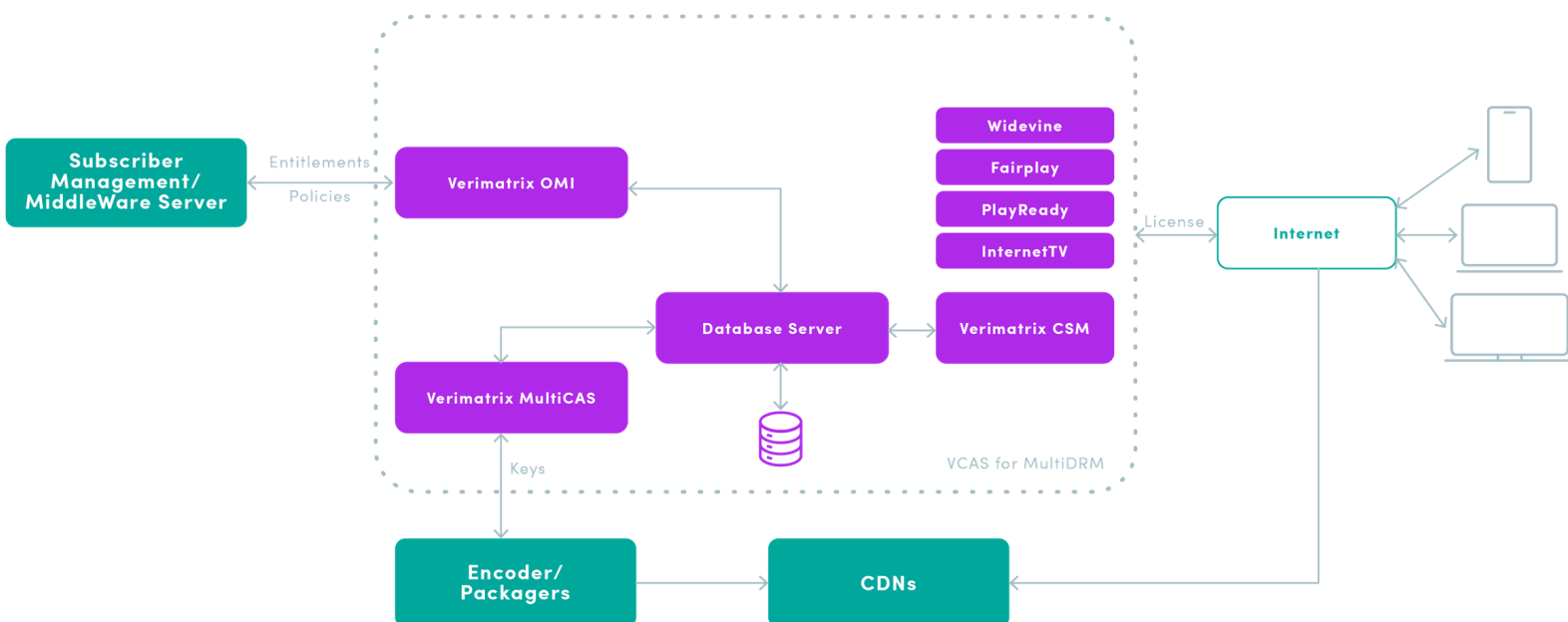
Setting Business Rules for Consumer Devices

The widespread access to streaming devices, ranging from mobile devices to SmartTVs, has significantly expanded in recent years. This expansion has enhanced the reach of streaming services, but it has also facilitated the sharing of streaming access among a broader audience.

To maintain sustainable revenue per user, Verimatrix VCAS provides a solution for controlling the number of devices linked to a specific subscription. This functionality not only mitigates the financial impact of sharing user credentials but also enables new revenue models based on the quantity of devices permitted per subscription.

Verimatrix Internet TV and ViewRight Web Clients

Verimatrix Internet TV's proprietary DRM provides top-tier security, enabling seamless integration across a diverse range of devices with consistent management.

Each device using InternetTV DRM is equipped with a ViewRight Web client. These clients are a comprehensive suite of portable code that embeds VCAS content security functions into consumer devices and browsers, catering to HLS and DASH video streaming services.

Supported device categories include:

- PCs with Windows OS and Mac OS.
- iOS devices such as iPhone, iPad, iPad Mini, and iPod Touch.
- Devices running Android OS.
- Windows 8 Phone/RT (tablet) OS.
- Connected/Smart TVs and Set-Top Boxes (STB).
- ViewRight Web clients are versatile, facilitating playback for both online streaming and offline content.

Global Reach with Localized Support

Benefit from Verimatrix's extensive global presence, backed by local, round-the-clock support. Our team ensures a smooth integration process and ongoing assistance, making the transition to a more sophisticated and flexible streaming service effortless.

Leverage the Verimatrix Partner Ecosystem

Verimatrix thrives on a robust network of strategic alliances with leading pay-TV technology providers and Consumer Electronics (CE) manufacturers. These partnerships focus on ensuring seamless integration, operational ease, and enhanced value for our customers. Our ecosystem encompasses a wide range of industry specialists, from content aggregation and system integration to VOD servers, middleware systems, and hardware manufacturers like set-top boxes and smart devices. This broad and dynamic network allows Verimatrix to offer innovative, pre-integrated solutions, aligning with both current and future market demands.

Conditional Access and Trust

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. Visit www.verimatrix.com/anti-piracy/vcas/.

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About Verimatrix

Verimatrix (Euronext Paris: VMX) helps power the modern connected world with security made for people. We protect digital content, applications, and devices with intuitive, people-centered and frictionless security. Leading brands turn to Verimatrix to secure everything from premium movies and live streaming sports, to sensitive financial and healthcare data, to mission-critical mobile applications. We enable the trusted connections our customers depend on to deliver compelling content and experiences to millions of consumers around the world. Verimatrix helps partners get to market faster, scale easily, protect valuable revenue streams, and win new business.

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