verimatrix
DRIVING TRUST

It is not a patch; It is armor

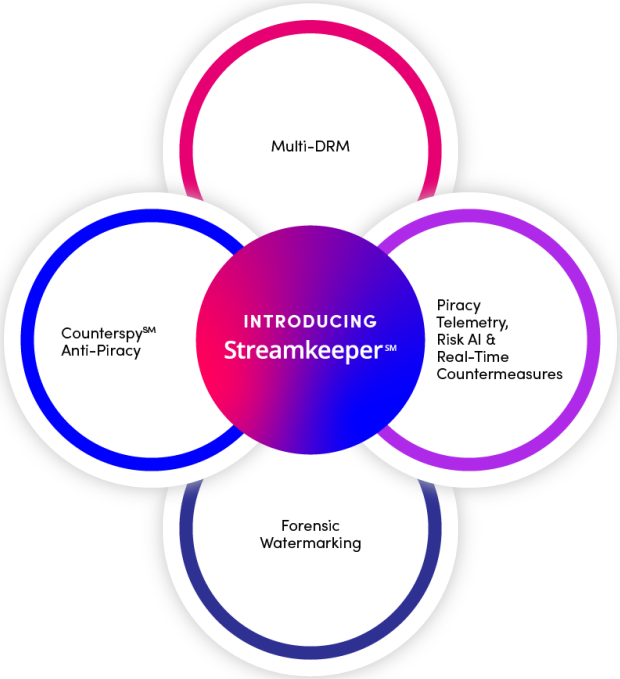
As a bold new video anti-piracy solution, Streamkeeper combines both digital content security and app protection to fight pirates who steal operators' live sports, movies and more.

Verimatrix Streamkeeper SM

PRODUCT BRIEF

UNMATCHED CONTENT SECURITY INNOVATION FOR OPERATORS

Verimatrix Streamkeeper delivers studio-approved digital content security combined with military-grade app shielding plus advanced anti-piracy countermeasures to provide operators with a fast, easy, and effective way to hunt down and take out pirates who aim to steal content such as live sports and movies. It's the complete content security package that's consistently proactive, not just reactive.



What's Inside Verimatrix Streamkeeper?

- DRM enhanced with authentication tokens
- Watermarking with hardened client application
- Counterspy zero-code anti-piracy security agent
- App telemetry-based investigation to app/user level
- Reveal pirates and enable countermeasures like shutdown of malicious actors with surgical precision
- Dashboard that predicts risks, tracks trends and infringers
- Data collection filtered/refined by AI and machine learning

Streamkeeper Counterspy – Autonomous Zero Code Defense

- Counterspy is the autonomous injection of an anti-piracy security agent
- Uses Verimatrix's proprietary zero code technology
- Allows customers to add deep, defensive countermeasures
- Enables customers to monitor their clients without the hassle of a complex integration effort that can end up too costly and time comsuming

4 STEPS to Fight Piracy

Verimatrix Multi-DRM

Verimatrix Counterspy™

Verimatrix Watermarking

Start with Streamkeeper Multi-DRM

Regulate access to your system with a future-proof architecture.

DRM is surely not enough to safeguard your content from being pirated. But without a smart and solid Multi-DRM, any content protection strategy is doomed to fail. Streamkeeper Multi-DRM is designed for efficiency, reliability, and performance. And of course, it is perfectly integrated with the Streamkeeper portfolio.

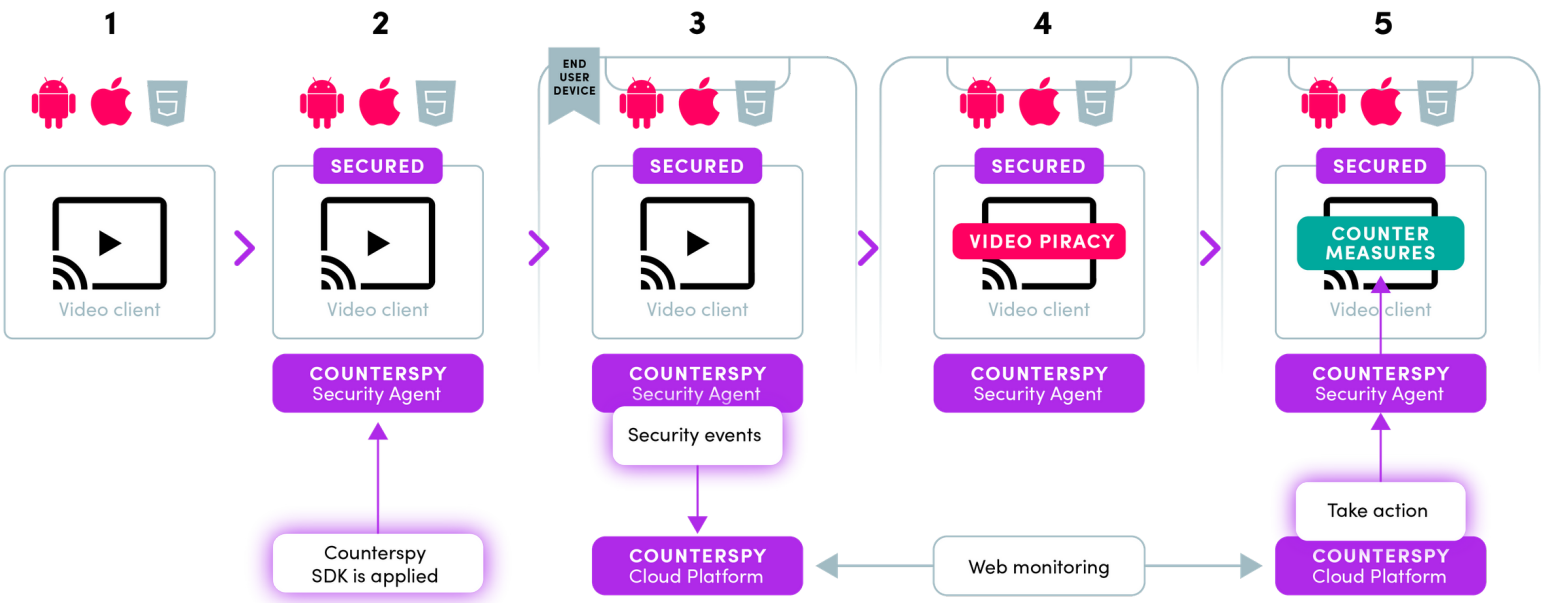
VERIMATRIX STREAMKEEPER MULTI-DRM IS COMPATIBLE WITH PLAYREADY, WIDEVINE AND FAIRPLAY.

A DRM system that's built to address the needs of today's video streaming providers, as they need it:

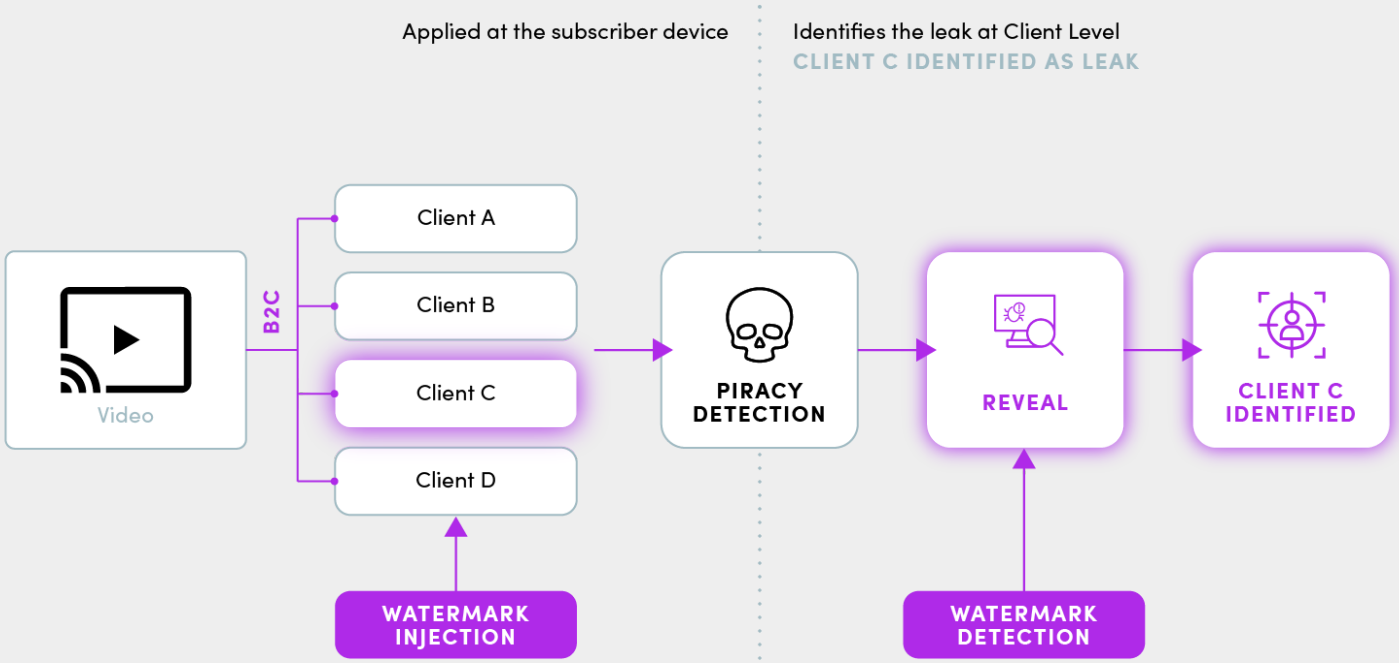
- Get Up and Running at SaaS Speed
- Completely Elastic and Scalable
- Cost-effective, Usage-Based Billing
- Feature Rich Content Protection

- **Cloud Capabilities for On-Premise Operators**
- **Deploy a Globally Redundant System**
- **Operate Stable, Robust and Resilient Services**

How Counterspy Works



How Watermarking Works



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THE OPERATOR VALUE PROPOSITION: STOP PIRATES FROM STEALING YOUR HARD-EARNED CUSTOMERS

An OTT Game Changer

Streamkeeper will forever change how Hollywood and Sports tackle piracy. It contains exciting new proprietary technologies that provide operators far greater confidence in their ability to protect their investment in content. It also provides studios with the reassurance that software-deployed security is working, resulting in enhanced content rights.

Ultimately, operators are able to make piracy more difficult, greatly reducing the potential for lost subscribers. Verimatrix believes this solution could become the de facto standard for next-generation anti-piracy, recommended by the content owners.

BENEFIT FROM NEW LEVELS OF SUPPORT FROM STUDIOS & SPORTS RIGHTS HOLDERS

Studios know that many software-only DRMs have problems with hacking. To gain premium content and reach, many operators bend the rules to publish this content via hacked (compromised) DRMs.

Verimatrix offers an all-in-one cybersecurity and anti-piracy solution that raises the bar for attackers, and even more, empowering operators with battle-ready tools that reveal exactly what's going on, with the added ability to intercept. It's an adaptive solution that leaves little low-hanging fruit for pirates to go after.
Operators may achieve better terms and conditions from the studios and sports rights holders, gaining access to more content due to drastically curbing the abuse associated with distributing pirated content via their CDNs.

Additionally, studios and sports rights holders don't need to look away anymore. Instead, they can ask operators to fight piracy with a holistic service. They can even request a Verimatrix-provided monitoring snapshot of the operator's piracy-threat level.

So How Does Steamkeeper with Counterspy Prevent Piracy?

Sample Scenario #1: A heterogeneous OTT system operator with many different CA/DRM providers and clients has leaks.

The operator is experiencing content leaks from their ecosystem, receiving little support to close the leaks, but needs to continue to use the leaking client or clients. Studios and missed revenue put pressure on the operator subscribers. Often, pirates abuse the operator's CDN to distribute pirated content. Operators are also afraid to close suspected clients without independent verification of their involvement in the piracy.

Streamkeeper can stop piracy in its tracks, with Verimatrix Multi-DRM closing the authentication gap and pushing pirates to use detectable hacks. Verimartrix's zero code technology allows the operator to inject all client applications with Counterspy functionality and client protection, hardening against piracy attacks. Pirates are quickly identified and verified using watermarking to allow operators to confidently trace down pirate supply chains, and immediately take down offenders

The result is a unified, permanent monitoring solution that keeps the operator continually informed of risks and recommends countermeasures. Piracy is prevented in most cases, but if piracy occurs, pirates can be removed from the network immediately.
Pirates' supply chains are tracked down.

Sample Scenario #2: Where's My Leak?

Often the operator does not know which of his clients on which platform is being abused by the pirates to steal keys and/or content. After Verimatrix DRM closes the authentication gap, Counterspy detects suspicious client activity. This is helpful in the case of widespread content key distribution or URL cloning. Verimatrix goes beyond how distribution watermarking identifies issues. The operator can decide to monitor, further verify, or take down the pirate client immediately.

They deploy the anti-piracy security agent to identify the leak at its source. The agent utilizes app telemetry

identification and shutdown capabilities found in Verimatrix Counterspy. Watermarking and fingerprinting then verify the leak independently within one product. Together with key rotation, further abuse can be prevented.

The source of the leak is identified and is independently verified as the pirate source, is shut down immediately, or kept under observation to track down the supply chain of the pirates' content distribution.Immediate shutdown does not work if the content is stolen from the CDN using a stolen key. Verimatrix can shutdown rediustributed content, but cannot shutdown key distributed content if there is no key rotation, or if Edge Authenticator is not activated. In cases where slow key rotation is used, it successfully disrupts pirates.

Sample Scenario #3: I Know How My Content is Leaking, But How Can I Prevent It?

Often the operator knows how their content is being stolen, but has no means to prevent it. Verimatrix DRM, in combination with the protective measures of Counterspy, drive the pirates to use the few remaining attack vectors that Counterspy can prevent already in the client before it happens.

The anti-piracy security agent is deployed to identify the leak at its source and it uses countermeasures against known attack vectors to prevent piracy and utilizes app telemetry to inform the operator about the attempt.

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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