



VO Dynamic Watermarking Solution

Protect your content against re-streaming with a unique, forensic technology



Preventing revenue loss by instantly locating and blocking piracy at its source, for both live events and on-demand content.

Robust Active Protection

Invisible, renewable and dynamic algorithms, empowering real-time piracy detection

Scalable Deployment, Legacy Compatible

Seamless integration and large deployments enabled, available across all networks

Full-scale Security Services

From content tagging through monitoring, detecting and blocking leaks: VO's multi-layer anti-piracy center introduces powerful overall protection

Defeat Piracy with 360° Protection

- 1 Any Device, Any Network**
Quick, simple, and scalable deployment, available through VO secure player for all connected devices: multiscreen, smart TV, web browsers, mobile, PCs and Macs. The watermarking agent is also available for integration with STBs for IPTV and Broadcast deliveries.
- 2 Protecting All Assets at all Times**
Resistant to various, multiple threats, including direct attacks, camcording, screen casting, re-encoding, aspect-ratio change and collusion attacks.
- 3 Algorithm Adaptation**
Changing on the fly and reacting to threats in real-time, the watermarks are resilient to hacker-attacks and are constantly adapted to the rapidly iterating pirates' technologies.
- 4 Every Second Counts**
Designed for ultra-fast extraction, detection and cessation of illegal streams and content leaks within seconds or minutes at most.
- 5 Premium, 4K viewing experience**
Watermarks are invisible and do not impair the end-user experience, which remains fully compliant with sports leagues and Hollywood studios requirements.
- 6 Cost-Effective, Client-Side Solution**
With no head-end integration, architecture modification or additional resources required, VO's watermark insertion has no impact on your video delivery infrastructure while reducing integration costs and ensuring premium user experiences.

It's smarter, it's safer. It's VO.



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Real-time content protection

Injecting an invisible mark to a video's playback and extracting it whenever an illegal storage or content acquisition is detected, the forensic watermarking solution enables the identification of the leak's source in real-time.

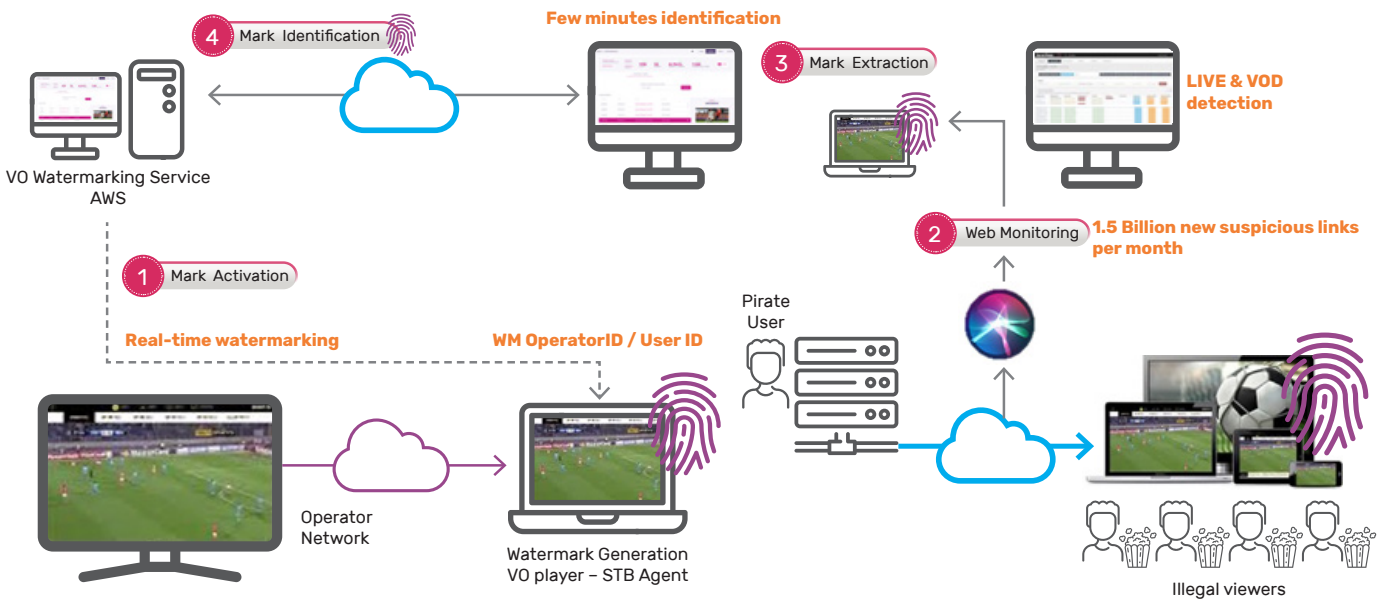
- Cartesian' Robustness certificate: Graded for highest encoding-resilience and flexibility
- Available in sleep mode – Activation when needed
- Instant piracy identification at scale, simultaneously monitoring all streams
- Easily integrated in low computational CE devices through low footprint agent
- API Integration with web crawlers (Such as VO Eye on Piracy)

Don't let hackers steal your revenue

- ✓ Unique ID retrieval
- ✓ Part of the VO Player DNA: enabling fast integration on all your devices
- ✓ Available on premises or fully managed through VO Eye on Piracy
- ✓ Boosted extraction time: fast detection from even small video fragments
- ✓ Ultra-flexible, premium technology, encoding and content agnostic



Anti-Piracy workflow for live event protection



WHY VO?

50M+

Subscribers

100+

Customers Worldwide

90+

Technology Partners

20+

Years of Experience

Discover how to stop digital pirates, protect your content from re-streaming and increase your revenue. Read more: <https://www.viaccess-orca.com/tv-piracy/dynamic-watermarking>

About Viaccess-Orca

Viaccess-Orca is a leading global solutions provider of OTT and TV platforms, content protection, and advanced data solutions for a personalized TV experience. The company offers an extensive range of innovative, proven, and best-of-breed solutions for content delivery, protection, discovery, and monetization. With over 20 years of industry leadership, Viaccess-Orca helps

content providers and TV operators shape a smarter and safer TV and OTT experience.

Viaccess-Orca is part of the Orange Group and the company's solutions have been deployed in over 35 countries, reaching more than 27 million subscribers.