

## CONTENT PROTECTION CLIENT, ESSENTIAL AGENT

Downloadable & Cost-Effective Content Playback  
& Protection for Android

### ⌋: APPLICATION

- Phones & Tablets
- Set-Top-Boxes
- Smart TV
- Media Extenders

### ⌋: FEATURES

- Easy-to-integrate media player Software Development Kit (SDK)
- Apple HTTP Live Streaming, Microsoft® Smooth Streaming, MPEG-DASH adaptive streaming
- PIFF downloadable files
- UltraViolet™ Common File Format (CFF)
- Offline viewing and subtitles
- Immersive audio

### ⌋: SECURITY

- Full software security with anti-tampering, obfuscation, white boxing and jailbreak detection
- Robust AES-128 content decryption with HLS streaming
- Technology approved by Hollywood Studios
- More than 25-year hardware and software security expertise
- HDCP & DTCP-IP secured display connections

Inside Secure® provides the most comprehensive portfolio of hardware, software and IP based security technologies to meet any current and future security requirements for various demanding markets. The company's expertise enables content monetization and assets protection while offering the best in class access wherever, whenever from any platform. More than 80 companies among the major studios, broadcasters, telecom operators, multimedia compatible device manufacturers already rely on Inside Secure's content protection solutions. More than 100 million active users benefit from these technologies today. Inside Secure's hardware software security combination is a perfect fit to match the most demanding requirements for HD/UHD premium contents distribution. Content Protection Client, Essential Agent is based on Inside Secure's award winning software protection. Rich adaptive streaming capabilities allied with robust cryptography support makes this cost-effective solution suitable for tough economics driven broadcasters.

## Content Protection Client, Essential Agent Cost Effective Content Playback & Protection

Inside Secure's Content Protection Client, Essential Agent, inherits already massively acknowledged features from the Company's Fusion widely spread Digital Rights Management (DRM ): an extended set of media player functions together with a robust conception with software active hardening to defeat pirates' attempts to steal premium content.

Content Protection Client, Essential Agent, offers the best HD experience on Android supported by most of the adaptive streaming and static file protocols (Apple HTTP Live Streaming, Microsoft Smooth Streaming, MPEG-DASH, PIFF, CFF) and a rich set of extra features including Download & Play, subtitles and immersive audio.

The Free-To-Air (FTA) distribution of content allows consumers to access various and rich TV programs without requiring any subscription. Thus, advertising and sponsorship help broadcasters to reach a much larger audience. This business model requires very cost effective content protection solutions based on subsets of traditional DRM offer. Inside Secure's Content Protection Client, Essential Agent, is the right fit.

## Full Software Security to Protect Rich Content

Content Protection Client, Essential Agent, takes a full advantage of Inside Secure's award winning software protection with anti-tampering, obfuscation, white boxing and jailbreak detection (optional) to protect data and computations. This efficient set of countermeasures guarantees integrity checking, good resistance to reverse engineering, in addition to keys and other secrets scrambling.

The technology is fully approved for premium content distribution on Consumer Electronic devices including mobile phones and tablets.

When distributed over HTTP Live Streaming adaptive streaming standard protocol, the content can be encrypted and protected by the AES-128 government approved strong cryptography. Content Protection Client, Essential Agent, robust implementation of this algorithm protects the keys while videos are decrypted. The light but secure infrastructure makes content monetization possible even in a tough Free-To-Air economic model.

The solution being 100% software allows application distribution with current industry channels. This offers a complete flexibility and a full cross Android platform compatibility. This is also a strong security argument since it makes possible immediate over-the-air enhancements and upgrades providing fast reactivity against new attacks.



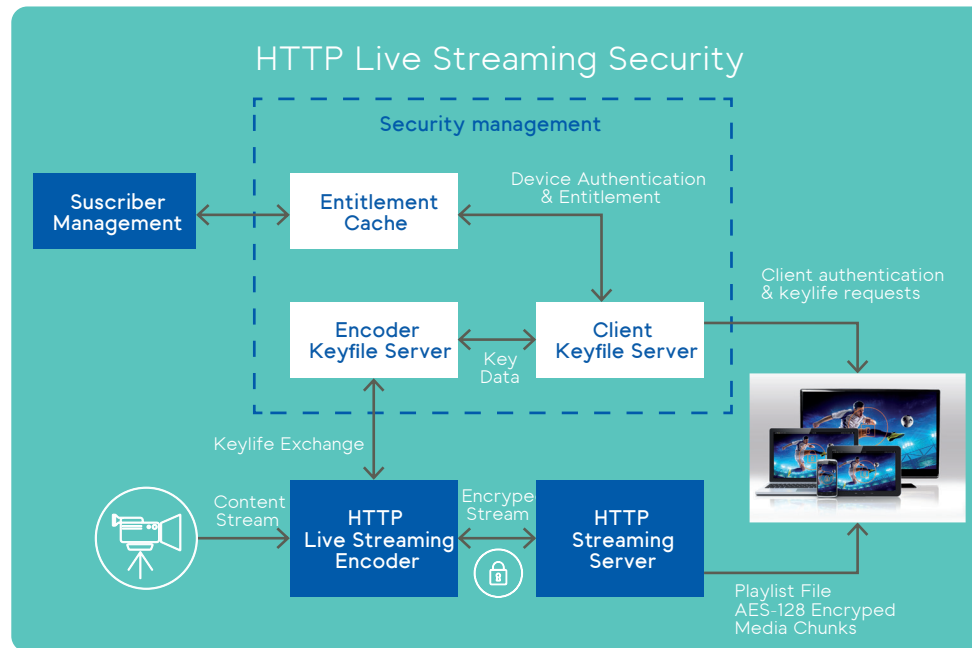
## Content Protection Client, Essential Agent and Fast Time-To-Market

With Content Protection Client, Essential Agent, Inside Secure provides a rich Software Development Kit (SDK) including a full-featured media player with full media format awareness, complete security measures, robustness, plus extra features such as offline playback, multiple subtitles, output protection level enforcement, etc.

For most application developers, this is the preferred approach since it requires less expertise in security integration and generally meets compliance requirements while significantly reducing the level of effort and the time-to-market.

Content Protection Client, Essential Agent SDK allows application customization of look, feel and branding with a minimal amount of effort. It provides the ability to be integrated with existing applications and Graphical User Interfaces (GUIs) to deliver branded services to all types of connected mobile devices with a very short time-to-market. It also offers easy-to-use and well documented functions allowing quick integration with any Android application, ensuring seamless branding and user experience across platforms and needs to support enhanced offerings with specific content like subtitles, multichannel audio or closed captioning.

Inside Secure brings the ability to design functionality prior to executable code generation. This feature saves time on integration as the integration is done only once and the actual deployed schemes can be chosen at code generation.



## KEY BENEFITS

- Total Memory Requirement: 29 KB
- Studio approved cost-effective efficient content protection
- Code and data protection against attacks
- HD quality
- Supports Apple HTTP Live Streaming with AES-128 encryption, Microsoft Smooth Streaming, MPEG-DASH adaptive protocols
- Support PIFF and CFF (UltraViolet) download file format
- Support for Download & Play, subtitles and immersive audio
- Work on all Android devices
- Inside Secure's proven content protection technology (more than 80 DRM deployments and 100 million daily users)

For further details on all of Inside's security solutions, visit [www.insidesecond.com](http://www.insidesecond.com)

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