intertrust®

ExpressPlay DRM™
Seamless DRM interoperability for securing high value streaming services

Today's viewers want to enjoy premium content anywhere and anytime, on any device without issues or difficulties. However, client device diversity and fragmentation caused by different OS and DRM versions pose major challenges to realize the desired user experience.

Intertrust provides the answer with ExpressPlay DRM™, a cloud-based DRM security-as-a-service (SaaS) that offers high availability and a global footprint with support for all major DRMs such Apple Fairplay Streaming, Google Widevine Modular, Marlin, and Microsoft PlayReady.

Intertrust ExpressPlay DRM is a cost-effective turn-key solution that offers complete end-to-end protection for over-the-top (OTT) and broadband delivered premium content. As a security as a service, it offers a superior user experience to consumers of live and on-demand streaming services. ExpressPlay DRM provides device credentials, content key storage, content encryption, and secure playback along with a multi-DRM license delivery platform.

The global footprint of ExpressPlay DRM is backed by Amazon Web Services (AWS) infrastructure with regional redundancy and failover management, which enables a variety of low-latency, fault-tolerant architectures. The ExpressPlay multi-DRM service scales to any operational requirement. This is especially important during major live events for managing active user bursts and serving millions of license requests in a very short period of time.

The ExpressPlay SDK enables service providers to quickly and cost effectively utilize Marlin DRM clients for any device, including mobile, desktop and embedded systems.

Business Benefits

Proven scalability

The ExpressPlay DRM service supports delivery of a large number of DRM licenses during peak viewing across a broad range of devices. Its scalability has been proven, successfully supporting over 23 million concurrent devices during a live event.

Studio approved content security

ExpressPlay DRM meets the stringent security requirements of MovieLabs and Hollywood studios for premium content. It supports both PlayReady SL3000 and Widevine Level 1 in addition to the long established Marlin DRM that takes advantage of a trusted execution environment (TEE) and secure video path (SVP) for premium and UHD content.

Secure download and offline playback

The ExpressPlay DRM service issues persistent licenses for Marlin, Widevine, FairPlay Streaming and PlayReady, which enables secure download and offline playback of premium content when connectivity is intermittent.

DASH playback on any device

The ExpressPlay SDK is independent of the native DRM layer and allows you to play DASH-CENC content on any mobile device. This feature increases the total addressable device market and user base of Android and iOS devices.

Features

ExpressPlay DRM Service

- Supports all major DRM systems including Apple FairPlay Streaming, Google Widevine Modular, Marlin and Microsoft PlayReady

- Provides secure licensing, key management and key storage services, and auditing of license acquisition events

- Supports Widevine Level 1, PlayReady SL3000 and Marlin UHD devices

- Geographically distributed for high availability and low latency

- Optional session-based forensic watermarking for live sports and premium VOD content

ExpressPlay DRM SDK

- SDK available as tamper resistant binary or source code

- Support for MPEG-DASH On Demand and Live profiles

- Download manager addresses the complexities of secure content download and offline playback

- Client-side content conversion enables playback of DASH CENC content on iOS with native DRM, reducing CDN costs and simplifying content management

- Full suite of packaging tools to encrypt and prepare content for use with ExpressPlay applications and services

ExpressPlay DRM Service

Multi-DRM System	Multiple Content Keys per License
Single Service REST API	Persistent Licenses
Key Management System	Watermarking
Universal Token	Root Detection Enforcement Policy
	AWS Route 53

ExpressPlay DRM SDK

Client SDK for Multiple Platforms with Common API	User and Device Domain Support
Pre-hardened Binary SDK	MPEG-DASH (CENC and CBCS)
Hardware Integration with Embedded Systems	HDR Dolby Visual
Multi-DRM SDK	Root Detection Enforcement
Download Manager	DASH On-Demand Profile