

Sigma Packaging & Origin



Sigma Packaging & Origin

is a video delivery system that allows video providers to securely and reliably distribute streaming video. It makes it easy to prepare your live content for delivery to multiple devices, and improve the viewer experience with advanced features. Customers can reduce workflow complexity, increase origin resiliency, and better protect multiscreen assets without the risk of under or over-provisioning video infrastructure. System also works with other Sigma service to unlock the growing ecosystem of connected devices and the dynamic viewing experiences they enable.

Why should you use our Service?



Reduced CAPEX and OPEX

Cost savings CAPEX & OPEX when integrating sigma ott system using software deployed based on microservice model



It is safe

Absolutely safe with Multi-DRM content **protection**



High User Experience

Live, Timeshift TV, StartOver TV ... increase User Experience. It make easier for viewers to discover the content

Key Feature

- **Cost Efficiency - Reduce Server or Storage Requirement**
- **Massive Thoughtput and speed**
- **Absolutely safe with Multi-DRM content protection and watermarking**
- **Support Multi ABR Formatting like HLS, DASH**
- **Ultra Low Latency mode increase User Experience**
- **Extra Origin Feature: Timeshift TV, StartOver TV, Catchup TV**



Input

Input Format

Adaptive transport stream (ATS)
GOP-aligned, H264 or H265 encoding

Network

IPv4 Multicast for Live Ingest (IGMPv2/v3 support)

Processing

ABR Formatting

Apple HTTP Live Streaming (HLS over CMAF or TS)
MPEG DASH

Subtitling

Closed Captions: WebVTT for HLS, WebVTT or SMPTE-TT for DASH
DVB-Teletext: WebVTT for HLS, WebVTT or SMPTE-TT for DASH
DVB-Subtitles: SMPTE-TT for DASH

Content Protection

Microsoft PlayReady DRM support for HLS, Smooth Streaming and DASH Apple Segment and Fairplay support for HLS
Widevine, Playready support for DASH using CENC
Key provisioning interface to leading CAS & DRM vendors

Low Latency

Apple HLS Low Latency
DASH LL-CMAF

Origin

Feature	<ul style="list-style-type: none"> Linear Channel Timeshifting Start over TV
Storage	<ul style="list-style-type: none"> Support Local storage, NAS, NFS Object storage (s3, ceph ...) Ram Disk for Linear Channel
Network	<ul style="list-style-type: none"> IPv4 Multicast for Live Ingest (IGMPv2/v3 support)
CDN compatible	<ul style="list-style-type: none"> CDN pulling support
Manifest Filtering	<ul style="list-style-type: none"> Support HLS, DASH Manifest filtering

Monitor & Control

High Availability	N+M failover (active-standby at least N+1)
Interface	Web GUI management Interface
Maintenance	Manual / Schedule