

## cosma JITX - video pipeline construction kit (v.1.2.0)

### Customize your just-in-time video workflow to your needs

- Convert existing A/V media just-in-time into the format you desire (e.g. TS, PES, MP4, FMP4, ...)
- Trans-package your content just-in-time into adaptive streaming formats (e.g. MPEG-DASH or HLS)
- Trans-encrypt or encrypt your content just-in-time to make it work with known DRM systems (e.g. PlayReady, Widevine, ...)
- Prepare your content by your CDN (last mile) by integrating JITX into your existing infrastructure or use the cosma streaming server infrastructure to scale
- Benefit from modern standards like MPEG-DASH with CENC (common encryption) to play content on your OTT devices without customized players or browser plugins by using EME (Encrypted Media Extensions) technology

Utilize the JITX **pipes-and-filters** architecture to create **industry-ready, high-available** just-in-time video processing systems. JITX allows a high grade of customizing by using pre-defined filters and extend the filter library to your needs.

Filters are available e.g. for

- Reading media from various sources (e.g. origin server, CDN, headend, unicast or multicast streams, ...)
- Writing media to various sinks (e.g. high available origin server, network socket, ...)
- AES-128/CTR-decoding and -encoding (e.g. PlayReady, CENC, ...)
- TS de-muxing media into its video, audio and subtitle components
- FMP4-Muxing components into combined media
- Transcoding from TS into (F)MP4
- Creating DASH MPD playlists from HLS playlists (various versions supported)

New filters - e.g. for format conversion, resolution changes etc. can be easily added. The pipes-and-filters architecture allows low-latency, high-throughput, parallel SD, HD, 4K video processing and is highly configurable and is independent of any surrounding server infrastructure.

We are certain that our solution will bring the flexibility you need into your video offering. If you are interested in a demo case or more details please do not hesitate to contact our video experts at [info@cosma.de](mailto:info@cosma.de)

