

ALFragmenter

OTT / WebTV Edge Delivery Platform

Carrier-grade, high density Edge Delivery Platform

Live inputs:

- H.264 AVC on MPEG-2 Transport Stream

File inputs:

- H.264 Transport Stream

Live HTTP outputs:

- MPEG-DASH
- Apple HTTP Live Streaming (HLS)
- Microsoft Live Smooth Streaming
- Adobe Flash
- 3GPP / Edge Mobile TV

- MP4 file output

Ready for HTTP fragmentation, catch-up, start over TV, ad-insertion and DRM.

Highly integrated, redundant, future-proof design



ALLEGRO
Digital Video Technology

ALFragmenter

OTT / WebTV Edge Delivery Platform

ALFragmenter is a multi-format delivery platform, for Live and VOD multiscreen OTT-TV, designed to complete cable-operators' and broadcasters' headends. ALFragmenter allows N-Screen Live TV, Catch-Up TV, Start Over TV and VOD.

It ingests Live or VoD intermediate content from encoders in TS format and delivers it in multiple formats, to allow Adaptive Streaming and progressive download on all devices, over the Internet or operators' managed network.

INPUT

Video	H.264 HP@L4, up to HD Multi SPTS for multi-bitrate inputs File input on remote SMB Server Live input on TS/UDP	IP source input redundancy
Audio	AAC, LC, HE v1, HE v2	

OUTPUT

File Outputs for VOD	Multirate MP4 files	
Live OTT / WebTV Outputs	Apple HLS (<i>Live or Archiving</i>) Microsoft Live Smooth Streaming Adobe Flash MPEG-DASH ISO Base Media File Format NEW	3GPP / Edge RTP + RTCP/UDP IPTV & PiP: SPTS/UDP Supported Protocols: FTP, HTTP, WebDAV, RTMP Embedded Origin Server NEW Archiving in TS files NEW
Subtitling	x2 DVB-Teletext streams per video stream (TS,HLS,Smooth) x2 DVB-Subtitle streams per video stream (TS,HLS)	SMPTE TTML NEW Closed Caption (CEA-608) (TS, HLS, RTP, Flash)
Encryption	Native interoperability with Verimatrix (HLS) DGI (DRM Generic Interface)	Microsoft PIFF Protection for Live Smooth Streaming
Performance	Up to 44 Live services per motherboard.	
OPERATION	SNMP/HTTP RESTful interface for remote control & monitoring Graphical remote user interface Up to x6 GbE interfaces per motherboard Network teaming on In/Out/Mgmt networks N+P device redundancy DataMiner supervision NEW Interoperable with major CDNs, including Akamai.	Single rack unit (1 RU) Software upgradeable



Allegro DVT is a privately held company providing expertise in digital audio/video processing and state-of-the-art H.264 solutions. It delivers H.264/AVC compliance testing suites, audio/video encoders and transcoders for 3GPP, Edge, HLS, Adobe Flash, VC-1 and Smooth Streaming for WebTV, IPTV, PiP and H.264/AVC hardware encoding IPs. Allegro DVT customers include silicon vendors, set-top box, mobile phone, TV-set and DVD player manufacturers and satellite, cable and telco operators. For more information, visit <http://www.allegrodvt.com> or contact info@allegrodvt.com.



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