The TAG solution provides a complete Multiviewing application tool combined with probing and monitoring as well. It can receive and monitor all Broadcast formats like the 2110/2022-6 Uncompressed; compressed MPEG-TS; and OTT streams all the way down to the encoded video content and its quality. The solution provides the operator with a strong tool for error detection, alerting and Multiviewing.

The created output Mosaic/Head is an HD or UHD video stream, encoded and transmitted as 2110-21 and standard H.264/H.265 SPTS along an HLS parallel output – enabling remote multiviewing, mobile devices access and a very flexible installation topology.

FEATURES

- Flexible Mosaic layout generation: User defined layouts, 1-100 channels per layout; Layout editor via embedded web browser, Round-Robin and Paneity Box (CED) layout displays

- Overlay display of errors, Tally, UMD's, events and DVB Teletext & Subtitles, Close Captions/ID3 multilanguage subtitling overlay

- Mosaic output encoded as standard HD or UHD Multicast H.264 /H.265/ MPEG-2 SPTS service, and/or low latency SMPTE-2110/2022-6/7 with simultaneous HLS output for each generated Mosaic/Head

- Mosaic output viewable on standard STB, ST-2110/2022-6 to HDMI convertors, mobile devices and web browsers

- Up to 32 audio streams loudness display per ser

SPECIFICATIONS

Mosaic/Head Outputs
Uncompressed .... ST 2110-21 & ST 2022-6 selectable
Redundancy .... ST 2022-7 redundant outputs from two separate Network Cards
Compressed .... Standard H.264/H.265 SPTS MPEG-TS
OTT .... HLS parallel output of each generated Mosaic
Resolutions .... HD or UHD in 25/50/30/60 fps
Audio output .... flexible setup or control by TAG's API
Mosaic outputs # .... Software defined multiple outputs
Tile source .... flexible mixing of different source types on the same Mosaic Layout

Mosaic Layouts
User defined layouts .... 1-100 channels per layout
Layout editor .... via embedded web browser
Tile editor .... Create your own tile to be used in one of multiple Mosaic layouts (available early 2010)
Layout Displays .... Static View, Round-Robin and Paneity Box (CED) display types
Audio Meters ……………………………………. Up to 32 audio streams of loudness display per service
Graphics elements …………… JPEG or Video file placement

Overlay display
Events/Errors ….............. user defined errors display in different colors per severity on each tile
Tally ……………………….. Via TSL protocol or TAG's elaborated API UMD's …………….. dual UMD's configured internally or via TAG's elaborated API
Clocks ……………………... multiple face type selectable clocks

Subtitling Display
DVB subtitles ……………. multiple language Overlay display
ID3 subtitles …………………………………………. Overlay display
CC errors …………………………………………….. Separate rules
Closed Caption …………………….............……. CEA-708, CEA-608
Multi language support …………… Support for up to 8 PIDs