



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 also in Zixi protocol; 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, also as Zixi protocol, 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 source

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
 Zixi MPEG-TS output in Zixi Transport Protocol
 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 Q2 2021)
 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, OP-47
 Multi language support Support for up to 8 PIDs