



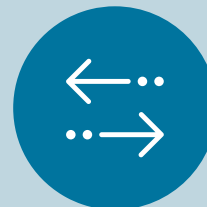
allegro
Digital Video Technology

Streamwise

System Streams



System Streams



Video Compliance
Tools

- DVB
- NorDig
- ATSC3.0
- TV3.0

Allegro DVT is a leading provider of H.264, HEVC, AVS2, AVS3, VP9, AV1 and VVC solutions, including industry standard compliance test suites, H.264, HEVC, VP9, AV1, VVC encoder, codec and decoder hardware (RTL) IPs. Allegro DVT products have been chosen by more than 100 major IC providers, OEMs and broadcasters.

For more information, visit <https://www.allegrodvt.com> or contact info@allegrodvt.com



System Streams

Audio/Video
System Streams

Unique Selling Points

- Verify system compliance and robustness before mass-deployment to end users. Thanks to Allegro DVT system test streams, IC vendors, OEMs and broadcasters can be confident that their products will comply with today's and tomorrow's broadcasts.
- Allegro DVT system streams are specifically designed to ease system testing. They provide two levels of verification: quick visual check or in-depth and accurate analysis with measuring tools.

Customers

- IC vendors, system vendors (set-top boxes, digital TVs, smartphones, tablets, etc.) and broadcasters.

Description

- Allegro DVT provides audio/video system streams, encapsulated and multiplexed in a variety of formats. They are the perfect tool to validate:
 - Audio/video synchronization
 - Dynamic picture resolution change
 - Aspect ratio
 - Dynamic video codec change
 - Active Format Description
 - DVB subtitles
 - Closed captions
 - TeletextVP9

Test compliance of DVB/NorDig Compliance

These test suites support all popular audio and video compression formats, including:

Video	H.265/HEVC HD Main/Main10 profiles, H.265/HEVC UHD Main/Main10 profiles
Audio	MPEG-1 Layer I and II, AAC-LC, HE-AAC v1 (aacPlus), HE-AAC v2 (aacPlus v2), MPEG-H 3D, AC-4
Systems	(Application specific) DVB/NorDig (General purpose) MPEG-2 Transport (13818-1)

Test compliance of ATSC 3.0 systems

These test suite supports the following audio and video compression formats:

Video	HEVC Main/Main10 profiles for Legacy SD, Interlaced HD and Progressive resolutions with frame rates of 50Hz and 60Hz
Audio	MPEG-H 3D AC-4
Systems	ROUTE, MMT



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Test compliance of TV3.0 systems

Streamwise-TV3.0 System streams are generated according to TV3.0 standards:

- Video Base Layer (VVC)
- Video Enhancement Layer (LCEVC)
- Audio (MPEG-H)
- Captions & Subtitles

Streamwise-TV3.0 System test suite contains different types of streams:

- Package names**
- TV3.0 Audio/Video
 - Audio/Video synchronization
 - Subtitles synchronization
 - Services synchronization
 - Services signaling
 - Bitrate stress test