

GstVA

Present, past and future

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GStreamer VA-API

- Monolithic
- Towards deprecation / minimum maintenance
- H264 stereo and multiview decoding
- VC1 decoding
- VP8 encoding

GstVA

- Fully integrated with GStreamer
- "Well" maintained (116 commits since 1.24)
- AV1 encoding
- Full DMABuf support
- Better postprocessing and deinterlacing

GstVA ToDo

- Needs love in encoding
- DMABuf fine tuning
- vavp8enc (!6959 by Jochen)
- vavc1dec
- vaoverlaycompositor
- ???

libva

- Maintained by Intel
- No external maintainers
- Bottleneck
 - External contributions are mostly ignored

VA-API drivers

- Intel
 - i965 driver 🙅
 - [Iron lake, ..., Cannon lake]
 - iHD media driver ✅
 - [Broadwell, ...]

VA-API drivers

- Mesa
 - r600 ?
 - radeonsi ✓
 - nouveau ?
 - d3d12 ?
 - virgl ?

VA-API drivers

- Others
 - nvidia-vaapi-driver ❌

