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Case Study

Video Post Processing on STB SoC

Project/Client Details

- Tier 1 Semiconductor Company that designs ICs for automotive, communications, and consumer electronics industries

Design Scope

- Firmware development of IPs which are an alternative to HDR10 technology
- Porting of the Software modules to Target subsystem
- Creating the plugins and pipeline and demonstrate end to end on:
 - Linux-gstreamer framework
 - Android Stagefright framework.
- Create a library API mechanism to be integrated into the STB software stack.

Expertise/Tools

- Gstreamer & OMX plugin development
- Custom Pipeline
- Linux/Android

Highlights

- Architecting the solution on Linux & Android.
- Design and development of custom plugins in Gstreamer, creating the pipeline and demonstrating the video use case.
- Design and development of custom plugins which are OMX compliant. Customization of Android NU framework in Android.



THANK YOU



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