

StreamUI



Overview

User-friendliness is one of the most important traits that set a high-tech device apart from its competition. StreamUI makes it easy for you to add a modern, consistent but simple-to-use UI to your products.

It supports both OSDs and LCD/VFT displays and applies to devices in CE, industrial and automotive applications.



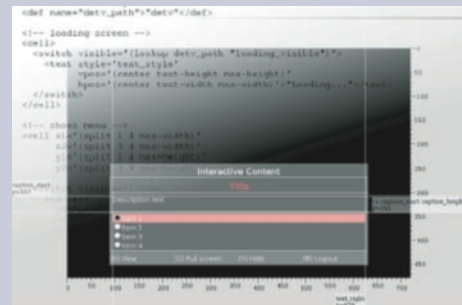
- Simplify the design and maintenance of your UI
- Strict model-view-controller (MVC) architecture
- For flexibility and ease of maintenance
- Model and view are defined through XML files
- Change the view of your UI without compiling any source file and without re-flashing the executable on the target
- Edit the view of your UI on the target, changes are reflected immediately
- Also edit and view the UI on your PC, where you can take advantage of a set of debugging tools and layout helpers
- Highly portable across devices, operating systems, and system architectures

Resolution Independence

- 1 single XML file can serve multiple resolutions
- PAL or NTSC; 4:3 and wide-screen support
- SD, HD and/or smaller LCD; Progressive scan, interlaced

Device Independence

- 1 single XML file can run on multiple devices
- Small device specific layer (provides essential drawing functions)



StreamUI Library Features

- Look and feel are defined independently, making it easy to customize the look of existing applications
- Supports overlays, pop-ups, multiple panels, ...
- Makes it easy for non-technical people to design the model and view parts of the UI
- XML can be converted to C++ to remove the dependency on an XML parsing library on the target
- Supports YUV or RGB internal color space
- Alpha channel blending
- Scaling
- Anti aliased fonts, kerning
- Multiple language support
- Basic shape drawing: rectangles, horizontal and vertical lines
- Light-weight: ~150kByte (without graphics resources)

Further information

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