StreamUI+

Description

StreamUI+ is a lightweight embedded run-time library which ideally can be used on platforms with limited resources. It fully focuses to deliver the essential building blocks needed for today's embedded applications - still offering the maximum flexibility without introducing compromises for the performance of the overall system.

Features

- XML definition files
- PC viewer app available - verification without running it on the target system
- Multiple panes support - restricted only by the available resources
- Very lightweight/highly optimized for ARM9
- Vector font support
- Up to 32bpp
- Alpha blending
- UI skinning
- Realtime dithering 18/16 bits
- Adaptive processing engine/sophisticated management of invalidated regions
- Easy to use animation system
- Input formats: PNG, BMP, JPG
- Written in C/C++ code
- Can take advantage of any available HW/SW graphics acceleration
- Enabled for TV out and/or LCD support
- The maximum resolution is only limited by the performance of the target platform
- Optional: touch screen support

System Requirements

- Posix compliant OS
- Already ported to: ThreadX, embOS (Segger), Linux
- Other RTOS -> modification of OS abstraction layer required
- ANSI C compiler

Benefits

- Very high UI customizability
- High flexibility since the application layer comes in full source code which allows to modify it to any requested behavior
- ROM/RAM consumption 300KB (without frame buffer and UI resource data)
- Excellent performance
- 2D user interfaces including animation support running on platforms with very low processing power

About StreamUnlimited

StreamUnlimited is an integrated embedded engineering house focusing on innovative and quality consumer products. We have high level competences in connectivity and User Interface technology, powered by a strong background in audio and video. We provide development and integration services to our customers. StreamUnlimited also offers a range of fully featured products.

Further information

StreamUnlimited Engineering GmbH
Gutheil-Schoder-Gasse 10 1100 Vienna, Austria
Phone: +43 1 667 2002 4014
E-mail: sales@streamunlimited.com
http://www.streamunlimited.com