

LUNA is an extraordinary user experience engine created by Craftwork.



## UNPARALLELED PERFORMANCE

LUNA™ enables extremely fast, fluid and flexible visual interfaces on widely-available hardware.

Optimized for low-cost embedded systems, LUNA provides high-performance graphics, delivering an amazing user experience.

The LUNA graphics API is specifically designed for video user interface development. It supports high-quality anti-aliased graphics and excellent font rendering. Real-time visual effects offer a modern look and feel.

Graphics animate smoothly in high-definition at a consistent 50 or 60 frames per second, even on low-end devices.

Applications can be rapidly developed in JavaScript and significantly outperform HTML5, WebGL or HTML Canvas implementations.

LUNA is not restricted by the legacy requirements of generic HTML browsers and their security sandbox limitations.

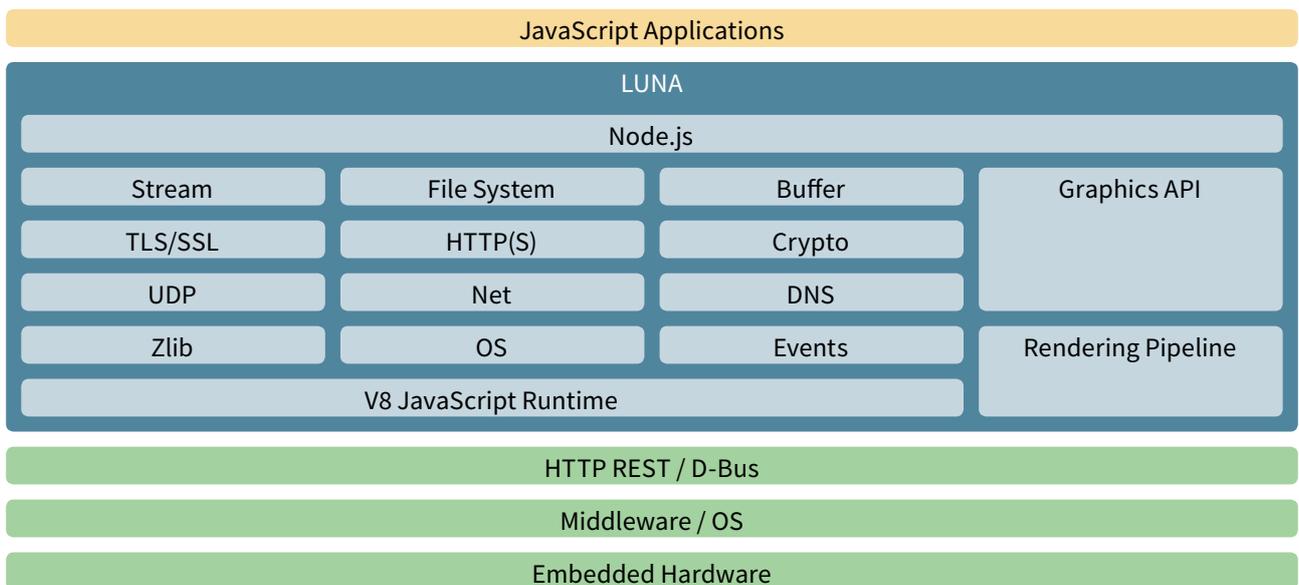
Applications run in the open source Node.js environment. This offers direct access to the file system, web sockets, low-level networking, decryption and decompression.

LUNA is middleware agnostic, with simple integration of underlying services through REST or D-Bus.

The use of JavaScript and Node.js allows alignment of client and back-end software development.

Powerful development, debugging and profiling tools are available from Google and the open source community.

## ARCHITECTURE



## TECHNICAL REQUIREMENTS

LUNA currently runs on Cisco Fusion, Frog by Wyplay, and Humax Octo platforms.

The LUNA engine can usually be ported to new hardware in a day. The only integration points are POSIX and OpenGL ES2.

A software development kit is available for evaluation, with simulators for Windows, Mac and Linux.

CPU	ARM or MIPS
CPU Speed	1500 DMIPS
Graphics hardware	Open GL ES 2.0 compatible
System memory	40 MB
Graphics memory	40 MB (720p) / 80 MB (1080p)
Flash memory	10 MB (binary size)

## CRAFTWORK

We craft extraordinary user experiences for television and video applications that work wonderfully.

Craftwork plans, designs and builds intelligent and engaging interfaces for electronic programme guides, video services, and other interactive information and entertainment systems.

We create outstanding presentation and navigation systems that deliver the business objectives of our customers and satisfy the demanding requirements of their users.

With more than ten years of experience in the field, we know what works well on screen and we know how to make it work even better.

We take considerable care and pride in developing elegant, sophisticated software that is superbly reliable, maintainable and expandable. Our high-quality code is deployed in millions of devices worldwide.

Leading platform operators, system integrators, and hardware manufacturers recognise that we deliver cost-effective solutions to challenging problems, on brief, on budget and on schedule.

We enjoy working closely with some of the most successful companies in the industry.

Contact us to see how we can help you.

[sales@craftwork.dk](mailto:sales@craftwork.dk)