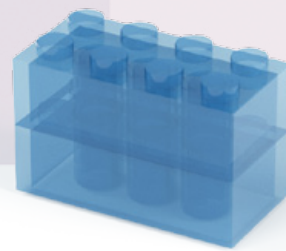


MHEG-5

Browsers and Interactive Engines

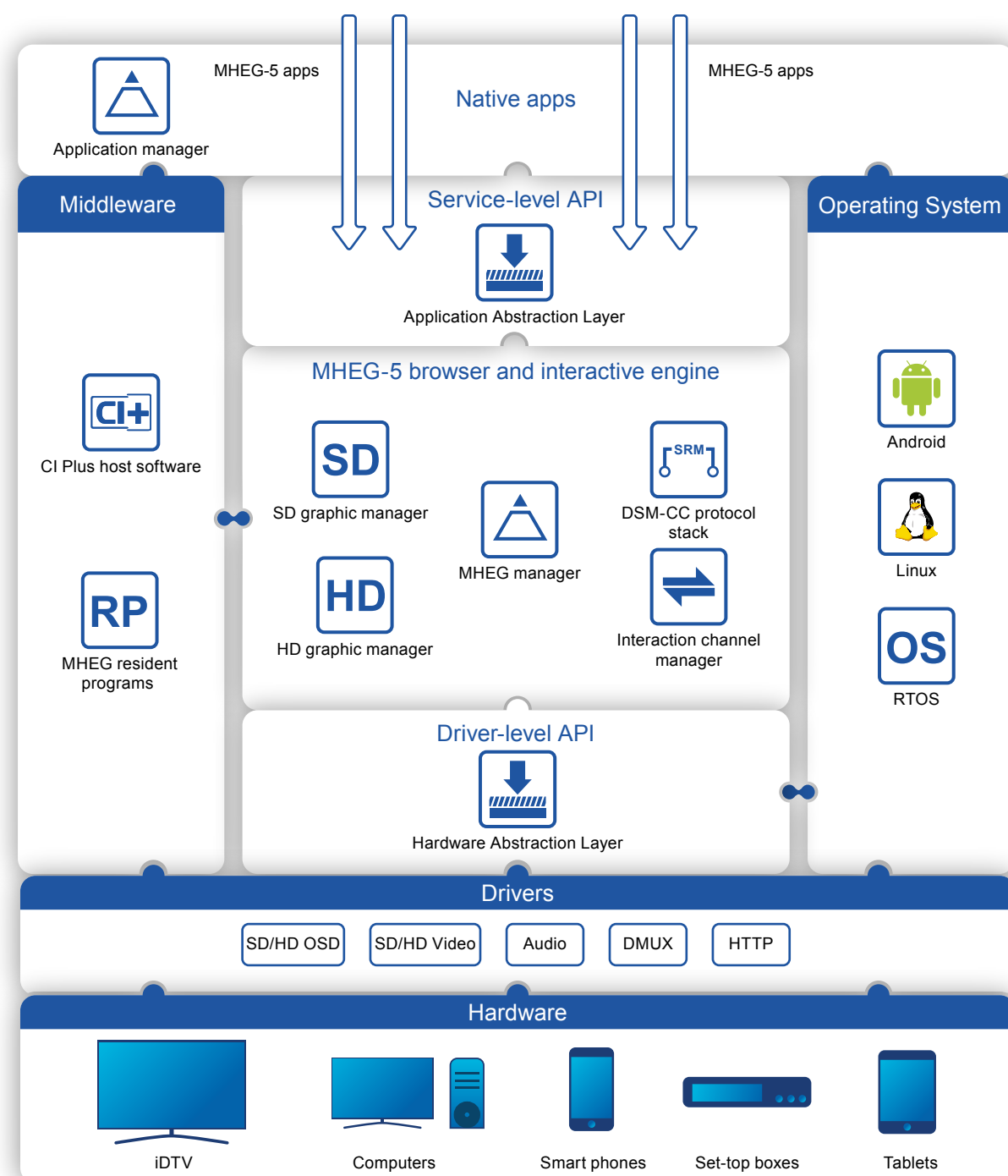


And your TV device becomes interactive!

It is incredible how such a simple solution can deliver such an amazing user experience! An international standard, MHEG-5 is being used every day by millions of users worldwide to get access to compelling interactive TV applications. These applications may be stored on a Conditional Access Module, delivered over the broadcast link, or even retrieved from the return channel.

iWedia has played an active role on the MHEG-5 issue since its inception and has developed and

deployed a full range of MHEG-5 browsers and interactive engines. These compact and optimized software components have been designed to be easily integrated within the software of a device. Browsers are available for CI Plus 1.2 and 1.3 specifications, and engines are available for standard and high definition devices as well as for devices with an interaction channel.



Features

- MHEG-5 Engine compliant with the following profiles:
 - CI browser profile (CI Plus specifications up to version 1.3)
 - UK profile (D-Book specifications up to version 7.1)
 - South Africa profile
- DSM-CC client (compliant with ISO/IEC 13818-6 Part 6: Extensions for DSM-CC)
- Graphics and font engines

Deliverables

- Browser/engine: library generated on Customer environment (delivery of source code is an option)
- Driver-level API (or HAL - Hardware Abstraction Layer): APIs documentation, reference implementation (in ANSI C source code)
- Service-level API (or AAL - Application Abstraction Layer): APIs documentation
- AAL and HAL test application (in ANSI C source code)
- Integration guidelines
- Reference system demonstrating MHEG-5 solution (on reference platform)

Platform requirements

- The solution is chipset and OS agnostic; it is easily portable on a new platform through the implementation of a HAL for that platform; HAL implementations are available for a variety of chipsets (Broadcom, Marvell, STMicroelectronics, etc.)
- Size of the code: 350 kB (may slightly vary depending on target platform)
- Dynamic allocations
 - MHEG-5 SD option: 2.4 MB to play a 512 kB application (made of 90% of PNG resources) in CLUT mode
 - MHEG-5 HD option with 720p output: 8.3 MB to play the same application in True Color mode
- Recommended processing power: 400 DMIPS



Licensees

