

CASE STUDY

HDTV streaming receiver platform integration

Overview

The largest Japanese cellular telephone company debuts 300Mbps wireless service proof of concept using an advanced HDTV streaming platform. nCore delivers set-top box platform integration services for a successful launch at CEATEC 2007.

Challenge

Manufacturer of a high-performance video streaming platform needed to integrate custom video decoding software on a set-top box for H.264 and MPEG-2 HDTV streaming. The project had to be completed and the SVRs delivered within very tight deadlines in time for the CEATEC 2007 trade show.

Solution Description

The project consisted of: Linux platform integration on a Broadcom 7401C based SVR; special system startup and shut down sequences; platform configuration management; firmware image creation; installation; unit testing; and final installation at the customer site. Additionally, nCore provided platform integration consultation and pre-show installation support.

Results

- Tightly integrated, high performance Linux platform for video streaming enables high bit-rate full HD H.264 or MPEG-2 video streaming.

About nCore

nCore Design is a global provider of training and professional services focused on multicore and manycore computing platforms. As the world leader in hands-on, instructor-led training courses, nCore helps clients increase software performance, throughput, and efficiency while reducing time-to-market.

nCore has significant expertise in modern computing platforms and specialized knowledge of applied software optimization techniques. nCore also develops high performance solutions based on state-of-the-art parallel technologies.

nCore is a privately held company with offices in the US and Japan.



CASE OVERVIEW

Situation

Video streaming hardware company needed to integrate custom streaming software on Linux using a Broadcom 7401C based board under tight time constraints.

Solution

Custom software integration and final assembly of a Broadcom BCM 7401C platform based HDTV receiver using a Linux kernel and associated tool-chain.

Benefits

Successful proof of concept demonstration of high bit rate H.264 and MPEG-2 HDTV streaming at CEATEC 2007 and other trade shows.

- Successful delivery of the entire receiver platform integration, firmware image creation, and SVR unit preparation.