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Computer Science Major

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Sarjana Komputer Thesis

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RASPBERRY PI AS A HTPC

COMPARISON BETWEEN RASPBMC AND OPENELEC

Timotius Toar Wowor   1000859096

Abstract

Nowadays it is a world where consumption of entertainment media is ubiquitous. To improve the enjoyment for the home user, an HTPC is used to manage all of the media files. This project is about using the Raspberry Pi as an HTPC while comparing Raspbmc and OpenELEC for the main platform. Both of these system uses XBMC as the media center application and will integrate the Raspberry Pi with a home television controlled by a remote. The results shows that HTPC is capable of playing media files especially High Definition media up to the 1080p range. This makes the Raspberry Pi a viable choice for a cheap, low power HTPC.

Key Words

HTPC, Raspberry Pi, XBMC, Remote, OpenELEC, Raspbmc