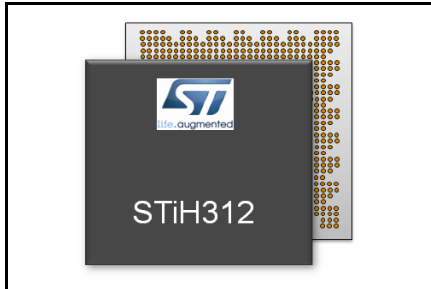

Cannes Ultra - ARM-based, UHD multimedia connected client-box platform

Data brief



Description

ST's STiH312 system-on-chip, belonging to its new 'Cannes' family, provides a full-featured solution for multi-HD and UHD IP set-top box / client-box applications. This SoC supports integrated broadcast and broadband services, combined with the latest set-top box middleware and broadband software solutions.

The STiH312 supports HEVC decoding, and therefore permits operators and service providers the means to offer UHD content to their customers.

Features

- Dual core SMP ARM[®] applications CPU plus a quad-core GPU for true 3D graphics
- Ultra HD decoding up to 2160p30, combined with Faroudja[®] video processing technology
- Advanced security supporting concurrent conditional access and DRM, to protect premium broadcast content
- Wide connectivity, including USB 3.0, PCI-e, SATA and Gigabit Ethernet
- Dedicated interfaces to a range of companion front-end solutions, including MoCA 2.0, DOCSIS 3.0, satellite and 802.11ac WiFi devices
- 28 nm process technology chip

1 Revision history

Table 1. Document revision history

Date	Revision	Changes
30-Aug-2013	1	Initial version.
20-Dec-2013	2	– Updated front cover bullets (<i>Features</i>). – Updated front cover description (<i>Description</i>).

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