1 Introduction

The STi7167 is targeted at the latest Operator and CE manufacturer requirements for STBs that use advanced HD decoding (H264/VC-1/MPEG2), and which conform to DVB, ISMA, ATIS-IIF, SCTE, ATSC, ARIB, CEA, ITU, OpenCable and MSTV specifications.

The STi7167 provides a solution for operators to specify a range of low-cost, high performance HD STBs including low-cost zappers, IP clients, interactive STBs, DVR standalone and DVR server/home network-capable STBs, and with content delivery possible using broadcast or broadband networks, or both (hybrid STBs). The STi7167 keeps pace with the latest conditional access, DRM and trusted platform requirements of major operators worldwide by incorporating the latest generation of advanced security features.

The STi7167 offers current users of ST's growing family of advanced decoding ICs enhancements in performance and features, while reducing cost and time-to-market for the next generation deployments.

Features	Benefits
Combines a configurable DVB-C/DVB-T demodulator with STB decoding and display functions	This highly integrated SoC helps to reduce board area and manufacturing cost, allowing low cost and small size STBs to be designed for either DVB-C or DVB-T networks
ST40-300 applications CPU, 32K I cache, 32K D cache	Superscalar performance from a single CPU core, using standard tools and operating systems (Linux, OS21)
STMicroelectronics' DELTA video decoding system with ST231 processor	Decoding of advanced high definition standards for MPEG2, H264, VC-1 broadcast, with the performance and flexibility for web-based content decoding such as Flash, DivX, MJPEG and Real
Dual USB 2.0 hosts, e-SATA, Ethernet MAC with MII/RMII and TMII, PCI	Extensive high speed connectivity for the widest range of STB peripherals, such as Flash drives, external HDDs, home network controllers (for example MoCA, Wi-Fi), DOCSIS modem and so on
Low power process, design and architecture	Best in class, low power standby mode, to meet emerging energy standards for STBs. Dynamic configuration of power to individual sub-systems enables power-efficient active standby modes
Advanced 2D graphics and display subsystem which also supports 3D user interface effects and 1080p60 display output	Allows visually appealing user interfaces and video rich navigation to be offered to consumers, while high quality progressive output can be watched on the latest high definition displays

2 Revision history

Table 1. Document revision history

Date	Revision	Changes
16-Jun-2009	1	Initial release.
25-Aug-2009	2	Features/benefits table added.
07-Feb-2013	3	Updated presentation.

Please Read Carefully:

Information in this document is provided solely in connection with ST products. STMicroelectronics NV and its subsidiaries ("ST") reserve the right to make changes, corrections, modifications or improvements, to this document, and the products and services described herein at any time, without notice.

All ST products are sold pursuant to ST's terms and conditions of sale.

Purchasers are solely responsible for the choice, selection and use of the ST products and services described herein, and ST assumes no liability whatsoever relating to the choice, selection or use of the ST products and services described herein.

No license, express or implied, by estoppel or otherwise, to any intellectual property rights is granted under this document. If any part of this document refers to any third party products or services it shall not be deemed a license grant by ST for the use of such third party products or services, or any intellectual property contained therein or considered as a warranty covering the use in any manner whatsoever of such third party products or services or any intellectual property contained therein.

UNLESS OTHERWISE SET FORTH IN ST'S TERMS AND CONDITIONS OF SALE ST DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY WITH RESPECT TO THE USE AND/OR SALE OF ST PRODUCTS INCLUDING WITHOUT LIMITATION IMPLIED WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE (AND THEIR EQUIVALENTS UNDER THE LAWS OF ANY JURISDICTION), OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

UNLESS EXPRESSLY APPROVED IN WRITING BY TWO AUTHORIZED ST REPRESENTATIVES, ST PRODUCTS ARE NOT RECOMMENDED, AUTHORIZED OR WARRANTED FOR USE IN MILITARY, AIR CRAFT, SPACE, LIFE SAVING, OR LIFE SUSTAINING APPLICATIONS, NOR IN PRODUCTS OR SYSTEMS WHERE FAILURE OR MALFUNCTION MAY RESULT IN PERSONAL INJURY, DEATH, OR SEVERE PROPERTY OR ENVIRONMENTAL DAMAGE. ST PRODUCTS WHICH ARE NOT SPECIFIED AS "AUTOMOTIVE GRADE" MAY ONLY BE USED IN AUTOMOTIVE APPLICATIONS AT USER'S OWN RISK.

Resale of ST products with provisions different from the statements and/or technical features set forth in this document shall immediately void any warranty granted by ST for the ST product or service described herein and shall not create or extend in any manner whatsoever, any liability of ST.

STMicroelectronics group of companies

Australia - Belgium - Brazil - Canada - China - Czech Republic - Finland - France - Germany - Hong Kong - India - Israel - Italy - Japan - Malaysia - Malta - Morocco - Philippines - Singapore - Spain - Sweden - Switzerland - United Kingdom - United States of America

www.st.com