Title + tagline graphic at top
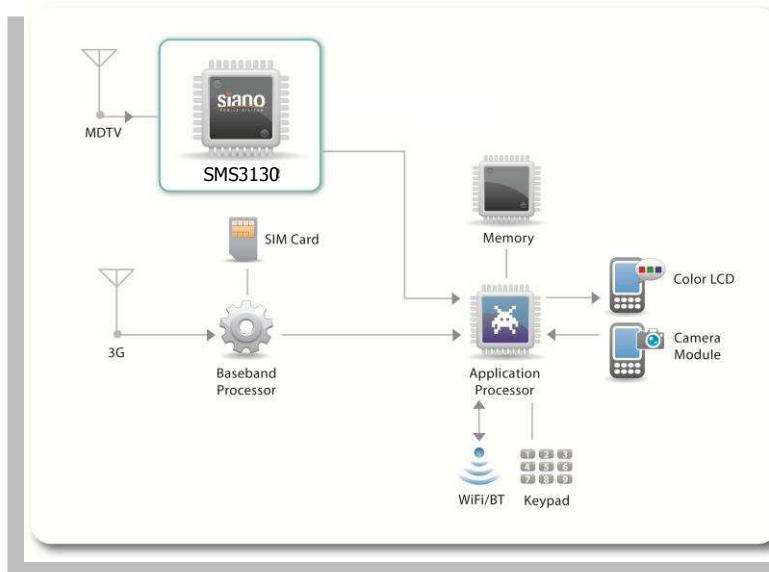🖥🖨🖥 + Ⓘ = TV EVERYWHERE

SMS3130

Cost-Effective ISDB-T 1-Seg MDTV Receiver with Optimized Size & Power Consumption

Designed for Mobile & Portable Devices

The SMS3130 is Siano's 3rd generation of dedicated ISDB-T 1-Seg MDTV receivers, providing a best-in-class, cost-effective, size and power consumption 1-Seg solution. The SMS3130 offers an extremely small size package (3.5 x 3.5mm BGA, 2.9 x 2.9 mm CSP), combined with significantly low power consumption (less than 45 mWatt). This results in a 1-Seg receiver solution for cellular and mobile devices targeted at the fast-growing Japanese and Latin American markets.

The SMS3130 provides single-die implementation of Siano's RF and demodulator while achieving outstanding deep indoor and mobility performance. The SMS3130 offers exceptional sensitivity, flat across the entire supported band, as well as high-quality immunity to interference.

Input to the SMS3130 is the broadcasted RF signal received by the antenna, and output is a demodulated, selected channel stream. This data is fed into an application processor capable of video and audio decompression and rendering. The SMS3130 is complemented by Siano's Host-API software package that includes drivers and libraries for popular host processors and operating systems.

Integration of the SMS3130 into a Mobile Phone

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enabling TV EVERYWHERE

TV EVERYWHERE

SMS3130

Cost-Effective ISDB-T 1-Seg MDTV Receiver with Optimized Size & Power Consumption

Designed for Mobile & Portable Devices

Key Features

- Best-in-class performance: Siano's 3rd generation of 1-Seg single die receivers
- 65nm process
- Extremely small size packaging options : 3.5 x 3.5mm BGA, 2.9 x 2.9mm CSP
- Outstanding power consumption: < 45 mWatt
- Superior mobility and extremely high sensitivity
- Multiple interface support to meet multiple devices
- Comprehensive solution, including device drivers and middleware for popular host processors and operating systems
- RoHS compliant
- REACH compliant
- Halogen-free compliant

Target Applications

- Cellular devices, PMP/PND

Supported Interfaces

- SPI (Master/Slave)
- SDIO (Slave)
- Serial Transport Stream
- General Serial (I^2C-like) Control

Form Factor

- Package types
  - 3.5 x 3.5 x 0.9mm BGA
  - 2.9 x 2.9 x 0.4mm CSP

Supported Standards

- ISDB-T 1-Seg

Supported Bands

- UHF

Target Markets

- Japan, Latin America

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