

# Dagger

Ultra Low Cost USB Mobile Digital TV Receiver

*Reference Design*



Powered by Siano's SMS1140, Dagger is an ultra low cost USB dongle Mobile Digital TV receiver reference design.

Offering multi-standard MDTV support, including DVB-T, ISDB-T, T-DMB, DAB and DAB+, the Dagger targets PC related products such as netbooks, notebooks, laptops, Ultra Mobile PCs (UMPCs), Mobile Internet Devices (MIDs) and pocket PCs.

The Dagger allows manufacturers and designers to reduce time to market for extremely competitive, yet high performance, MDTV products, as well as build a foundation for their own proprietary MDTV designs.

The Dagger is revolutionary in terms of cost savings – dramatically reducing the overall bill of materials (BoM) by \$1. By utilizing Siano's cutting-edge entry-level SMS1140 MDTV second generation receiver, Baluns are eliminated from the system. This result combines all the existing powerful capabilities and merits of Siano's high performance MDTV receivers, at extremely low cost.

## Highlights

- Turns every portable PC product into a multi-standard MDTV receiver
- USB 2.0HS compliant
- Superior mobility performance
- Extremely low cost (Balun-less)
- Guarantees minimal investment in R&D resources
- Enables fast time to market
- Certified USB device drivers:
  - Microsoft Windows XP (WHQL)
  - Microsoft Windows Vista (WHQL)
  - Microsoft Windows 7 (WHQL)
  - Linux



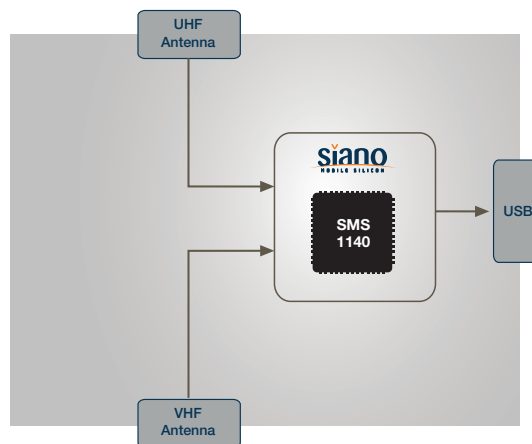
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## Key Features

- USB powered
- Enables multiple Picture-in-Picture (PiP)
- Extremely low power consumption
- Support for Personal Video Recording (PVR) applications – display one program while recording another
- Option for bundling with reference TV applications from partner software providers
- Small form factor



USB2.0HS MDTV Receiver

## Supported Standards

- DVB-T
- Mobile ISDB-T
- T-DMB
- DAB, DAB+ (Ver. 2)

## Supported Bands

- VHF III (170-240 MHz)
- UHF (470-862 MHz)

## Supported Interfaces

- USB 2.0 High Speed (HS)

Specifications are subject to change without prior notice.

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