

DIB7000-H

Mobile DVB-H / DVB-T Receiver



World's First DVB-H Chip

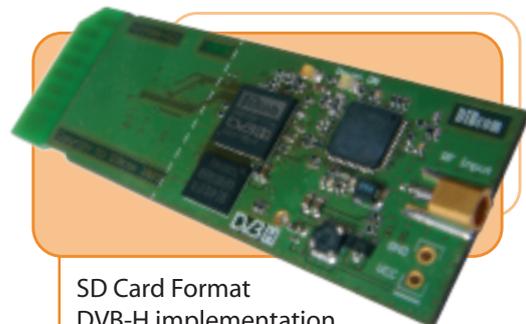
Cell Phones ...

- **At High Speed** (up to 130 Hz Doppler, 250 km/h at 500 MHz, in 8K mode)
- **Anywhere** (very low C/N requirements with Typical Urban Channels testing)
- On either Smartphones based on **Application Processors** or other low cost mobile phones with multimedia codecs based on **Graphics acceleration co-processor**

... or PDAs, Portable LCD TV, Portable Media Player

- **DVB-H** can be integrated in all kinds of **mobile TV** receivers with strong constraints on **power requirements**
- **Single mode** or **Diversity mode** can be used, especially for DVB-T networks not yet served with DVB-H services

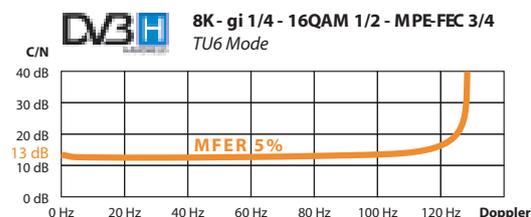
Watch TV on your Handheld Device !



SD Card Format
DVB-H implementation

Features :

- ↳ **IF and Baseband Inputs**
(can be interfaced with Freescale MC44CD02 Silicon tuner for example)
- ↳ **Ultra Low Power Consumption**
(**<20 mW** in DVB-H mode)
- ↳ **Flexible Channel Bandwidth** configuration
(8MHz, 7MHz, 6MHz, 5MHz,...)
- ↳ Standard Interface to most Application Processors or Graphics Acceleration Chipsets
- ↳ Drivers integrated in Software Development Kit
- ↳ **"Proven Performance"** type receiver (see DVB-H implementation Guidelines)



DiBcom DIB7000 offers the best solution for DVB-H reception with “Proven Performance”!

Both IF and Baseband inputs makes it the perfect solution for interfacing with very low power RF tuners.

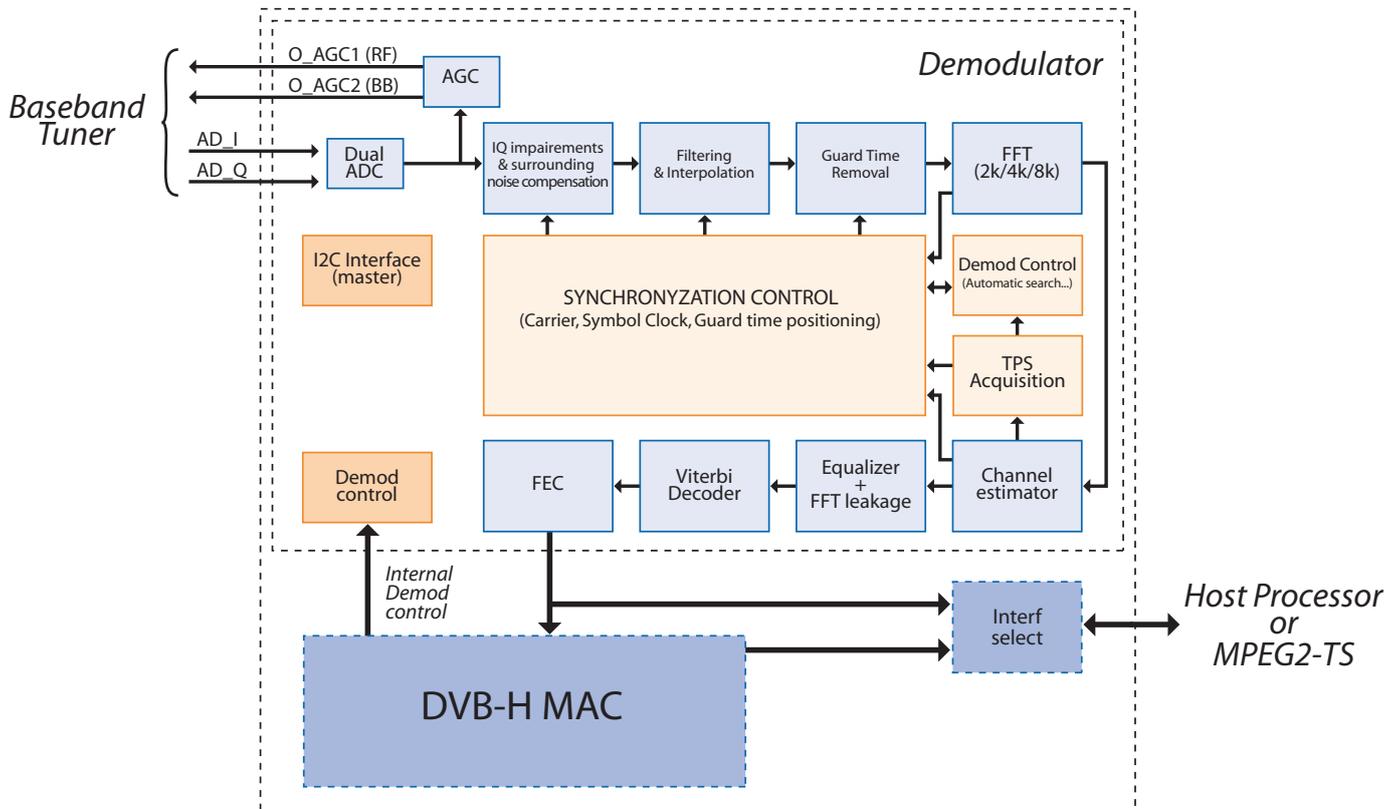
With NIM7000SD reference design, it is possible to integrate DVB-H into any mobile device as a plug and play feature.

INTEGRATED CIRCUIT FEATURES

- **DIB7000** integrated circuit advanced features for mobile environment
- **0.13µm, low power (less than 20 mW)**
- **Features**
 - IF or Baseband Input
 - TS or Host Interface Output
 - Local Memory
 - MPE-FEC hardware acceleration
 - Security functions acceleration
 - Time Slicing with embedded microcontroller
 - Power Saving Optimization

SOFTWARE DEVELOPMENT KIT

- **Contains**
 - Source code for integration onto Mobile Platform
 - Embedded Firmware for DVB-H real time functions implementation
 - API includes access to:
 - Tuning functions
 - Monitoring
 - SI/PSI monitoring
 - IP data extraction
 - MPE-FEC implementation



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