



MT8860 and MT8861  
Integrated Single-Chip CTTB (DTMB) HDTV Demodulators

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Both are fully GB20600-2006 compliant and exceed the performance requirements of the China Electronics Standardization Institute (Beijing Lab 4) test specification.

Description

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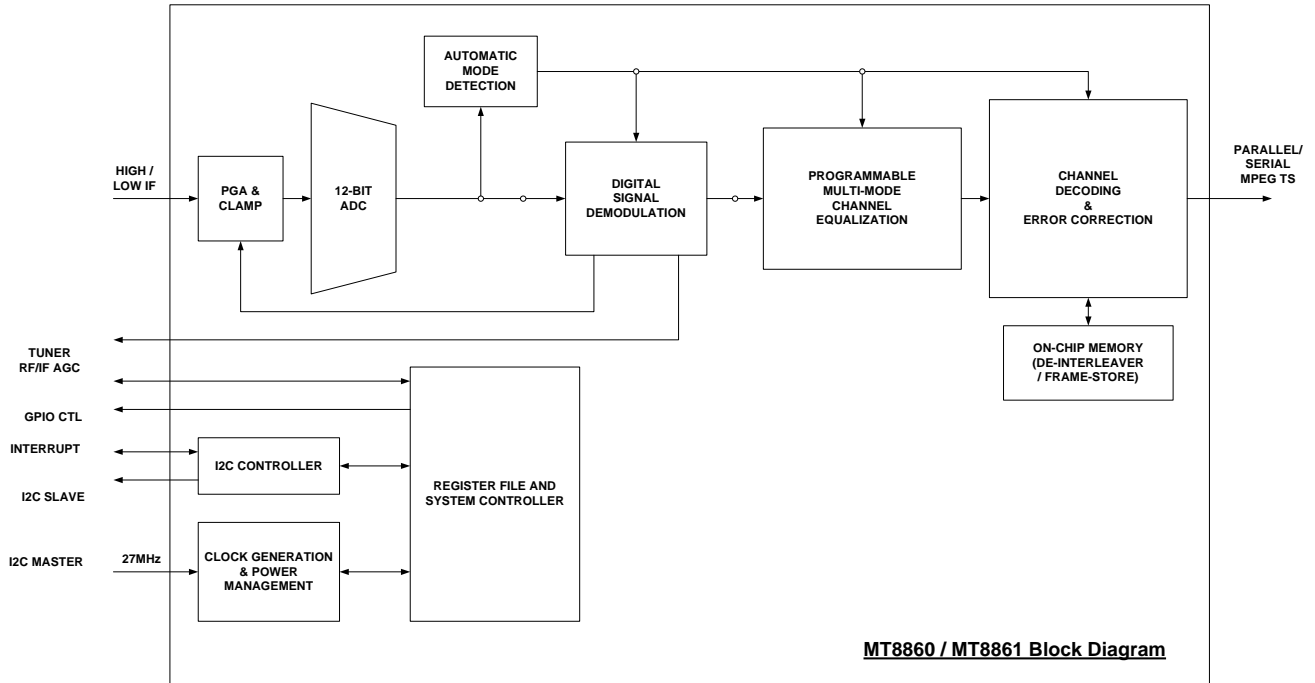
PRELIMINARY

Key Features
<ul style="list-style-type: none"> <li>▪ GB20600-2006 compliant CTTB (DTMB) HDTV demodulator</li> <li>▪ All CTTB single and multi carrier modes supported</li> <li>▪ Serial and parallel transport stream (TS) output</li> <li>▪ Dual I2C interface (master/slave)</li> <li>▪ On-chip DSP can real-time optimize receiver performance</li> <li>▪ MT8860 is pin-compatible with the AU882x family of CTTB demodulators</li> <li>▪ MT8861 is pin-compatible with the MT8865 CTTB + DVB-C demodulator</li> <li>▪ MT8861 is also pin-compatible with the MT8536 ATSC / QAM demodulator</li> <li>▪ Integrated memory – no need for external DRAM</li> </ul>
Performance
<ul style="list-style-type: none"> <li>▪ Exceed all requirements of the Beijing Lab 4 specification</li> <li>▪ Excellent SFN (single frequency network) performance</li> <li>▪ Excellent multipath performance for reception with in-door antennas</li> <li>▪ Fast auto channel search and detection</li> <li>▪ Optimized for best performance in all conditions (fading, echoes, impulse noise, etc.)</li> <li>▪ Auto detection of spectrum inversion</li> </ul>
Package
<ul style="list-style-type: none"> <li>▪ MT8860: 80 pin LQFP package (10 mm x 10 mm)</li> <li>▪ MT8861: 64 pin LQFP package (10 mm x 10 mm)</li> <li>▪ Compliant to RoHS and GADSL</li> </ul>

## MT8860 and MT8861 Target Segments

- Set-Top Boxes
- PC-TV for Laptops and Desktops
- Portable TVs

## Block Diagram



## Related Documents

- PB-00180 – MT8860 & MT8861 Product Brief (This document)

## Contact and Ordering Information

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