



> Digital receiver ICs for DTVs

World's best VSB/QAM receiver technology, field-proven and ideal for digital television sets, set-top boxes, and satellite receivers

- Adaptive receiver technology enhances signal reception in real-world conditions, resists interference, provides clear picture
- Compact low-power chip integrates all necessary functions reducing total solution parts count
- Meets all North American DTV reception standards: ATSC, SCTE, CableLabs
- Supports OpenCable, Unidirectional Digital Cable Ready requirements for Out-of-Band signaling
- Complete product family for all application market segments
- Built-in bit-error rate monitor provides system controller with precise signal quality indications

THEATER™ 311, 312, and 314 are the latest in ATI's industry-leading line of DTV Receiver/demodulator IC products. The new devices are optimized for Digital Cable Ready television sets, dual-tuner (picture-in-picture) applications, and satellite set-top boxes. They are complete digital demodulator devices which receive the analog broadcast signal and output the recovered digital MPEG data stream. These compact low-power products include high performance analog-to-digital converters, AGC functions, Forward Error Correction, and an I2C control interface. They also include built-in Bit Error Rate Test capabilities.

The Theater™ 311, 312, and 314 incorporate unique "Search and Destroy" interference cancellation and other advanced techniques providing signal reception under tough conditions when other technologies completely fail to receive a signal.

