



DiBcom to launch DVB-T and ISDB-T tuner-demodulator SoCs for cost-effective TV receivers

The new chips DIB7090P (DVB-T) and DIB8096P (ISDB-T full-seg) carry on the DiBcom field-proven performance leadership to offer very cost-effective solutions for portable and fixed TV applications

Paris, 31 May 2010 – DiBcom, leader in the market for components dedicated to digital fixed and mobile TV reception, unveils its 2 new tuner-demodulator System on Chip (SoC) solutions for DVB-T and ISDB-T full-seg, offering digital TV high performance technology for portable or fixed reception. Set top boxes, TV sets or PCTV can be addressed by these components at a very low cost. While analog switch-off is happening step by step in Europe, maintaining a constant high demand of DVB-T receivers, South America and Russia have just launched digital terrestrial TV in ISDB-T and DVB-T, extending this large demand toward the coming years. These 2 DiBcom SoCs, pin-to-pin compatible, are designed to be at the heart of these booming world-wide markets.

The DIB7090P and DIB8096P are QFN 64 pins. Their underlying technology benefits from DiBcom's tried and tested TV reception experience as DiBcom has already deployed millions of integrated tuner-demodulator chips around the world during the last 4 years. This know-how has been concentrated into these single-standard chips, now offering a significant cost-down with the SoC technology.

The DVB-T DIB7090P is not only Nordig 2.0 and DTG compliant, but is designed to achieve MBRAI (IEC62002) specifications for portable receivers. In the same way, the ISDB-T full-seg (and 1-seg) DIB8096P outperforms ARIB and SBTVD specifications to offer outstanding performance.

These DiBcom SoCs embed the very last generation of low power cable-band tuner. Its very high linearity ensures the best behavior even in the presence of strong adjacent channels, and the zero-IF architecture is the most suitable to achieve the lowest noise level.

The COFDM demodulation includes the patented algorithms that built DiBcoms reputation for many years. Digital processing suppresses impulse noise, multipath, adjacent channel interference and co-channel interference allowing the chip to retrieve any useful signal for unrivaled reception quality.

The DIB7090P is designed to work in parallel to another, thus allowing two DVB-T chips to be daisy chained so as to offer diversity or dual reception:

- if MRC diversity is enabled, the single output transport stream provides data from dual antennas drastically improving the sensitivity.



- If dual reception is enabled, the output transport stream provides data from the 2 receivers for PVR (Personal Video recorder) or PiP (Picture in Picture) high-end solutions.

The same applies to DIB8096P; two chips can work in diversity or dual ISDB-T reception as well.

The software controlling these chips is easy to implement, already including all fine-tuned processing configurations, flexible enough to be ported on to any back-end processor.

“After having developed innovative applications to receive TV in mobile conditions, we are now proud to launch cost effective high performance solutions for the Set Top Box and Digital TV consumer electronics. It is a great time to develop this market, due to many new countries launching digital TV in Latin America, Eastern Europe and South East Asia. In parallel, we believe in the tuner-demodulator combination in new Set Top Box architecture targeting Hybrid IPTV/Broadcast TV, PVR, and various format of digital video ranging from SD to HD and potentially also 3D.” says Yannick Levy, DiBcom CEO.

The new DIB7090P and DIB8096P are available for sampling. Price for DIB7090P is \$2 for 1 million units.

For more information, please contact the press department or the DiBcom team directly.

About DiBcom

DiBcom is at the heart of digital TV. As a fabless semiconductor company that designs high-performance chipsets, DiBcom enables low-power mobile and stationary TV reception everywhere. The company's solutions are used in automotive, PC/peripheral, Consumer Electronics, mobile phones and other handheld devices. DiBcom has extensive experience solving real-world digital terrestrial television (DTT) reception problems and has overcome the main technological barriers to high-quality service. The company has developed a number of patented algorithms and architectures for fast and accurate channel estimation and high Doppler compensation. Its chipsets are compliant with the current worldwide Digital Video Broadcast standards DVB-T, DVB-H, DVB-SH, T-DMB, ISDB-T and CMMB.

For more information, please visit www.dibcom.com