

LSI Logic Introduces HDTV DVD Recorder Processors in Advance of FCC Digital Tuner Mandate

Single-Chip DoMiNo(R) Processors Provide HD Decode and Display, HD DVR, and DVD Recording, While Reducing Time-to-Market and System BOM by up to \$15

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MILPITAS, Calif., Dec. 5 /PRNewswire-FirstCall/ -- Addressing the FCC mandate to drive the analog-to-digital television transition, LSI Logic Corporation (NYSE: LSI), a leader in innovative digital media processing technologies for the Digital Home, today introduced the DoMiNo(R) 8633 (DMN-8633) and 8683 (DMN-8683) ATSC-compliant HDTV DVD recorder system processors.

Based on the market-proven LSI DoMiNo architecture, DMN-8633 and DMN-8683 are highly-integrated, single-chip processors capable of simultaneously decoding and displaying HDTV content, while recording content onto DVD. By performing this capability in a single device, the DMN-8633 and DMN-8683 maintain the highest possible video quality while enabling the lowest-cost ATSC-compatible HDTV DVD recorder solution.

"With the FCC's mandate requiring peripheral TV equipment such as VCRs and DVD recorders to be ATSC-compliant by March 1, 2007, manufacturers are clamoring for integrated solutions that enable them to quickly and economically support SD and HD ATSC broadcast signals," said Adrienne Downey, senior analyst, Semico Research Corporation. "By leveraging its DoMiNo architecture, LSI is providing a single-chip solution that not only fulfills the FCC mandate for processing over-the-air HDTV content, but also enables high-end features like HD DVR in a cost-effective solution."

To address the FCC mandate, DVD recorder manufacturers will need to add HDTV/ATSC tuner capability (consisting of a digital tuner, an 8VSB demodulator, and an ATSC-compliant HD decoder processor) to their existing DVD recorder systems. Manufacturers using alternative solutions to DMN-8633/83 that require separate processors will see reduced video quality and find the implementation expensive and complex. The DMN-8633/83 HDTV DVD recorder processors are able to decode both digital SD and HD ATSC signals and record to HDD or DVD while maintaining the highest possible video quality.

The DMN-8633/83 processors both decode and display full HD video via HDMI, with DMN-8683 providing the additional capability of enabling time-shifting of HD video -- high-definition DVR capabilities. By integrating and eliminating the separate HD decoder and additional memory components, the DMN-8633/83 solutions reduces system costs by as much as \$15. In addition to reducing system costs, the DMN-8633/83 simplifies both the hardware and software development needed to support ATSC, thus shortening time-to-market and enabling manufacturers to meet the March 2007 deadline.

"Our many years of experience and our in-depth knowledge of the broadcast and consumer digital video markets gave LSI the foresight to architect DoMiNo to be capable of simultaneously processing both ATSC HD decoding and DVD recording on a single chip," said Jim Fox, director of DVD product marketing, LSI's Consumer Products Group. "The DMN8633/83 products not only allow our customers to deploy high-quality products that meet market and government demands, but also demonstrate LSI's continuing leadership in the high-growth DVD recorder market."

The DMN8633/83 processors support multiple audio and video encoding and decoding formats, as well as industry-leading DVD recorder features, such as DVFX(TM) video pre- and post-processing technologies for the highest-quality video; Direct Digital Dub(TM) technology that simplifies the transfer of personal digital content from a camcorder to DVD over FireWire; YesDVD(TM) intelligent software solution making the automatic editing and conversion of home video easy; and fully integrated support for USB digital cameras and Flash Cards. DMN-8633 and DMN-8683 maintain software compatibility with previous generations of LSI DoMiNo processors to preserve software investment.

Both products are part of LSI's third-generation, single-chip DVD recorder system processor family that is designed to reduce system cost, design complexity, and time-to-market (http://www.lsillogic.com/products/recorder_dvd_dvr_dtr/). Pricing is \$20 for the DMN-8633 and \$25 for the DMN-8683 in high volumes.

About LSI Logic Corporation

LSI Logic Corporation is a leading provider of silicon-to-system solutions that are used at the core of products that create, move and store digital content. LSI Logic's broad portfolio of capabilities includes custom specific and standard product ICs, host bus and RAID adapters, storage area network solutions and software applications. LSI Logic products enable leading technology companies in the Consumer, Communications and Storage markets to deliver some of the most advanced and well-known electronic systems in the market today. More information is available at <http://www.lsillogic.com>.

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