

LSI Logic DVD Recorder Processor Enables JVC's First '3-In-1' Digital Video Recorders

August 10 2004

LSI Logic's DMN-8652 processor enables one of the market's first DVD + HDD + VCR recorders

LSI Logic Corporation (NYSE:LSI) , a leader in innovative digital media processing technologies for the Digital Home, today announced that JVC (Victor Company of Japan, Limited) has selected the LSI Logic DiMeNtion(TM) 8652 (DMN-8652) [DVD](#) recorder system processor for use in the unique JVC "3-in-1" DR-MX1 digital video recorder. By tapping the diverse features integrated into the single-chip DMN-8652, JVC's DR-MX1 integrates the capabilities of a DVD recorder, VCR, and hard disk drive (HDD) recorder into a single, high-performance, full-featured product.

"Consumers are attracted to products that allow them to quickly and easily shift from analog video to new digital video formats and applications; the DMN-8652 allows JVC to deliver products like the DR-MX1 that simplify this transition," said Susumu Sakakibara, general manager, AV & Multimedia Company for JVC.

Based on the LSI Logic DoMiNo(TM) architecture, the DMN-8652 processor was selected by JVC for its ability to enable a convergence of consumer digital video applications with highest quality video and audio, while reducing the time, cost and complexity of system design. The DMN-8652 accepts video from TV and other analog video sources and encodes it for storage on hard disk or DVD discs in standard recordable formats including DVD-RAM and DVD-RW/R. It supports

simultaneous playback of video from HDD or DVD, and a range of background copying operations between the VCR, hard disk drive, and optical drive.

Leveraging the DMN-8652, JVC was able to pack a number of leading-edge features and capabilities into the DR-MX1, including the following:

- a 120 gigabyte hard drive for recording up to 224 hours of video;
- an extremely fast dubbing feature enabling consumers to transfer video from HDD to DVD at speeds up to 32x. 1-hour of video can be transferred in under 2 minutes;
- intelligent two-pass MPEG encoding to achieve the highest quality digital video;
- 6-way dubbing between HDD-and-VHS, DVD-and-VHS, and HDD-and-DVD;
- multi-format support; and
- fast 1.5x video playback.

The DMN-8652 integrates a second dedicated ATAPI port, an NTSC/PAL TV encoder, video DACs and a USB controller. It offers key features, such as MPEG-4 video playback; concurrent operation of timeshifting (pause, rewind and fast-forward of live television) while archiving programs from hard disk to DVD. Additional advantages of the DMN-8652 include LSI Logic's proprietary pre- and post-processing technologies, TrueView(TM) Pro and TrueScan(TM) Pro. These unique motion compensation-based technologies provide advanced progressive scan output and impressive noise handling on analog inputs, helping to manufacturers differentiate their products for quality-conscious consumers.

"With the DR-MX1, JVC has introduced an impressive product that provides the consumer with the ultimate in recording flexibility," said

Umesh Padval, executive vice president of LSI Logic's Consumer Products. "JVC has a history of designing innovative products that fit the needs of quality-conscious consumers and we're pleased that the DMN-8652 is helping them to achieve that goal."

LSI Logic's Consumer Products Division provides innovative digital media processing and silicon solutions to industry-leading, worldwide consumer electronics manufacturers. With a complete line of cutting-edge products for DVD, DVR, EVD, video game, digital and HDTV, portable audio, and professional video production/broadcasting devices, LSI Logic delivers entertainment into and throughout the Digital Home.

Citation: LSI Logic DVD Recorder Processor Enables JVC's First '3-In-1' Digital Video Recorders (2004, August 10) retrieved 24 April 2024 from <https://phys.org/news/2004-08-lsi-logic-dvd-processor-enables.html>

This document is subject to copyright. Apart from any fair dealing for the purpose of private study or research, no part may be reproduced without the written permission. The content is provided for information purposes only.