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Marvell Redefines Video Quality - Introducing Qdeo HD Video Evaluation Blu-ray Disk

Marvell releases a benchmarking tool to evaluate video processing capabilities of an HD video system

SANTA CLARA, Calif., Aug. 11 /PRNewswire-FirstCall/ -- Marvell (Nasdaq: MRVL), a leader in storage, communications, and consumer silicon solutions, today introduced a new high definition (HD) test disk that enables objective evaluation of the quality of video processing in HD audio-video products like Blu-ray players, AV receivers and HDTVs. The HD test disk has been designed to provide a mechanism for comprehensive testing of the main elements of video processing, namely noise reduction, format conversion, and image enhancement. The noise reduction test patterns check the ability of the system under test to reduce analog and digital noise. The format conversion test patterns provide a comprehensive test of the capabilities of the de-interlacing done by the system. The enhancement patterns check for the presence and performance of a variety of leading-edge types of enhancements including detail enhancement, adaptive contrast enhancement, intelligent color remapping, and bit-resolution-expansion. The disk also includes a set of test patterns for calibration of the video settings of the system, as well as a demonstration section and an HD video montage to show the visual impact of high quality video processing. For more information please visit www.ClearlyQdeo.com.

(Logo: http://www.newscom.com/cgi-bin/prnh/20070905/AQW167LOGO)

"Consumer demand for pristine image quality from HD video systems continues to grow and we're constantly striving to make home theater visual experiences better and better," said Dr. Nikhil Balram, Vice President and General Manager of the Digital Entertainment Business Unit, Communications and Consumer Business Group at Marvell Semiconductor, Inc. "In order to easily differentiate between inferior and superior video processing solutions, and to better appreciate the advances that are being made, manufacturers and reviewers need a comprehensive objective benchmark for HD video processing. We developed the Qdeo(TM) HD Video Evaluation Blu-ray Disk with this important need in mind, and hope it will help improve the home theater experience for end-users."

Marvell's high-definition digital entertainment solutions are designed to enable world-class media processing and provide consumers with groundbreaking visual experiences. The availability of objective video quality testing is intended to help educate the market and consumer about the differences between high quality video processing like Qdeo versus commodity processing offered by many other solutions in the market.

About Qdeo Technology

Qdeo video processing, delivers rich, high-definition quality through a suite of advanced QuietVideo(TM) technologies, providing quiet, natural video free of noise and artifacts. Per-pixel noise and compression artifact reduction removes noise inherent in digital video, and per-pixel motion-adaptive 3D de-interlacing removes jaggies and eliminates feathering. Adaptive Contrast Enhancement and Intelligent Color Remapping render rich and vivid images. For more information on Qdeo, visit *http://www.ClearlyQdeo.com*.

About Marvell

Marvell (NASDAQ: MRVL) is a leader in the development of storage, communications, and consumer silicon solutions. Marvell's diverse product portfolio includes switching, transceiver, communications controller, wireless, and storage solutions that power the entire communications infrastructure including enterprise, metro, home and storage networking. As used in this release, the term "Marvell" refers to Marvell Technology Group Ltd. and its subsidiaries. For more information, visit *http://www.marvell.com*.

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