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Cryptography Research's CryptoFirewall™ Technology Builds Momentum for Advanced Video Security at CES 2012

ViXS and SMI Collaborate with Verimatrix to Demonstrate New Breed of Embedded SoC Security Solutions to Protect Video Revenue Streams

LAS VEGAS--(BUSINESS WIRE)-- 2012 International CES — Through a close partner collaboration, Cryptography Research, a division of Rambus Inc. (NASDAQ:RMBS), SypherMedia International (SMI), ViXS Systems and Verimatrix will be demonstrating a cardless security solution that protects video for digital TV systems. Visitors can schedule an appointment to view the system at a hospitality suite in the MGM Grand Hotel & Casino during CES in Las Vegas.

The cardless security solution builds on the innovation these companies have developed to leverage Cryptography Research's CryptoFirewall™ security core technology. The CryptoFirewall solution is a dedicated hardware security core integrated directly on set top box SoCs. It provides a secure hardware foundation to prevent signal theft. ViXS Systems was the first silicon vendor to implement the CryptoFirewall core with the SypherMedia International (SMI) Kernel security code on its XC4210 SoC. The solution being shown at CES illustrates how the enhanced security architecture performs in conjunction with Verimatrix's advanced conditional access platform.

"It is exciting to see how Verimatrix, ViXS, and SMI have been able to integrate and leverage our CryptoFirewall hardware security core technology in a short period of time," said Paul Kocher, president and chief scientist at Cryptography Research. "This solution has the potential to change the way digital TV operators and consumer electronics manufacturers think about security."

"SMI has brought these separate technology pieces together to address the needs of the digital video industry for a simple-to-deploy, cost-effective, and extremely robust solution for video security," said Dennis Flaharty, president of SMI, a leader in providing independent third party programming of chip secrets in SoCs and hardware intellectual property protection.

"We are excited to extend our leadership position in delivering advanced security transcoding network multimedia SoCs to the digital TV market, and to enable the delivery of secure video to a wider range of devices from multiple sources to the TV," said Sally Daub, president and CEO of ViXS, a leading provider of smart network multimedia processors.

"Support for Cryptography Research's technologies reinforces Verimatrix's full range of revenue security solutions. We are pleased to highlight the integration efforts with key ecosystem partners including ViXS and SMI," added Petr Peterka, CTO at Verimatrix. "The CryptoFirewall core complements and extends our layered approach to the implementations of advanced cardless security solutions, as well as the evolution of our response to the major commercial concerns of content piracy and theft of service for our operator customers."

Please contact Cryptography Research at cryptofirewall@cryptography.com to schedule a demonstration at CES or for additional information on pricing and availability.

About Cryptography Research

Cryptography Research, Inc. (CRI), a division of Rambus Inc., is a leader in semiconductor security research and development. CRI develops and licenses innovative technologies in areas including tamper resistance, content protection, anti-counterfeiting, network security, and financial services. Over six billion security products are made each year under license from CRI. Security systems designed by CRI scientists and engineers protect hundreds of billions of dollars in commerce annually. Additional information is available at www.cryptography.com.

About SypherMedia International, Inc.

SypherMedia International, Inc. provides security technologies for anti-tamper and hardware intellectual property protection, secure architecture system designs for Pay TV, and third party BlackBox programming for enabling use of secure silicon in SoCs. SMI is the world's leader in providing independent third party programming of chip secrets in SoCs and hardware intellectual property protection. SMI has an extensive patent portfolio that includes (a) hardware Intellectual Property protection (the SypherMedia Library Circuit Camouflage technology) to protect semiconductor integrated circuits from reverse

engineering, circuit extraction, cloning, and unintended third party modification; (b) Sypher Signature Programming Services for independent third party programming of secret keys into SoCs and; (c) SypherShield Technology, which provides multiple layer security technologies for a variety of Content Distribution systems including point-wise security solutions for applications such as digital television, digital media distribution, media storage and retrieval, data distribution, and secure transactions. For additional information, please visit www.smi.tv.

About ViXS Systems Inc.

ViXS is a multimedia solutions innovator providing technologies for processing, managing, securing and distributing high quality video and audio allowing seamless control, conversion, and connectivity between many classes and sizes of digital entertainment devices.

ViXS supplies advanced System-on-Chip semiconductors, software solutions and hardware reference designs for the world's top manufacturers of Digital TVs, DVDs, Set-top boxes, Personal Video Recorders, PCs, Network-Attached Storage devices, Residential/Home Gateways, Blu-ray players/recorders, as well as Broadcast and Professional Equipment OEMs.

ViXS is headquartered in Toronto, Canada with global operations and offices in Europe, Asia and North America. ViXS has filed more than 334 patents worldwide with over 103 patents being issued to date. Listed for four years running as one of Deloitte's fastest growing North American companies, ViXS is setting new standards in the way digital entertainment is viewed and transmitted across an endless array of multimedia products.

For more information on ViXS, please visit our website: www.vixs.com.

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About Verimatrix

Verimatrix specializes in securing and enhancing revenue for multi-screen digital TV services around the globe. The award-winning and independently audited Verimatrix Video Content Authority System (VCAS[™]) and ViewRight[®] solutions offer an innovative approach for cable, satellite, terrestrial and IPTV operators to cost-effectively extend their networks and enable new business models. As the recognized leader in software-based security solutions for premier service providers, Verimatrix has pioneered the 3-Dimensional Security approach that offers flexible layers of protection techniques to address evolving business needs and revenue threats. Maintaining close relationships with major studios, broadcasters, industry organizations, and its unmatched partner ecosystem enables Verimatrix to provide a unique perspective on digital TV business issues beyond content security as operators seek to deliver compelling new services. For more information, please visit www.verimatrix.com, our Pay TV Views blog and follow us at @verimatrixinc and LinkedIn to join the conversation.

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