



Partners from RF to Light

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MACOM and Amphenol Support Ross Video for Industry's First 12G SDI openGear Platform

Three-Way Collaboration Enables the Industry's First 12G SDI Modular Platform with a Passive Rear Interface

LOWELL, Mass.--(BUSINESS WIRE)-- MACOM Technology Solutions Inc. ("MACOM"), a leading supplier of semiconductor solutions for broadcast video infrastructure, today announced a collaboration with Amphenol on Ross Video's modular openGear platform supporting the 12G Serial Digital Interface (SDI). By utilizing MACOM's 12G SDI chipset and Amphenol's latest 12G connectors, this three-way collaboration enables the next generation signal processing platform to support fully SMPTE compliant single link interfaces for 4K video support.

"This is a very big step for the broadcast video industry," said Gary Shah, Vice President of Marketing, High-Performance Analog, MACOM. "The openGear platform was prolific with a 3G-SDI interface, and we are pleased to work with partners like Ross Video and Amphenol to deliver the first 12G SDI platform."

Through the collaboration with Amphenol and MACOM, Ross Video can now offer customers a family of 12G-SDI distribution solutions for their openGear modular platform, featuring a rear interface panel with no active components. This gives customers the ability to remove and replace cards in the frame without needing to disconnect cables from the rear panel.

Ross Video's openGear platform, which received a Technical Emmy at the 67th annual Technology & Engineering Emmy awards, was designed to provide the broadcast industry with an open and universal platform for signal processing cards.

Ross Video recognized that the challenge with a modular platform is maintaining the expectation that the all active components reside on the front removable card with no active components in the frame or on the rear connecting module nor is it acceptable to directly connect cables to the front module. By implementing the unique solution co-developed with MACOM and Amphenol, Ross Video was able to achieve maximum performance by keeping critical components as close as possible to the cable interface without passing through any intermediate connections.

"This challenge was insurmountable with currently available technology. Ross Video is pleased to have great technology partners in MACOM and Amphenol, who through an excellent working relationship are jointly able to overcome these challenges and deliver cutting-edge 12G-SDI solutions for delivery of 4K / UHD. The challenge of getting 12G-SDI into a modular platform, without requiring active components on the rear of the frame, has now be solved," said Eric Goodmurphy, Director of Infrastructure at Ross Video.

"It has been an exciting opportunity to collaborate with the visionary team from Ross Video and MACOM in developing an interconnect solution that combines our latest technologies for the broadcast market, HD-BNC and HD-AFI, to meet the challenges involved with single port 12G transmission," said Hardik Parikh, National Program Manager at Amphenol RF.

MACOM's 2nd generation 12G SDI products will be available for private demonstration at NAB 2016, Booth #N602, April 18-21st in the Las Vegas Convention Center. To make an appointment, contact your local sales representative. For more information on MACOM's broad portfolio visit: www.macom.com.

Ross Video's openGear platform is available for demonstration at NAB 2016, booth N3705.

ABOUT MACOM:

MACOM Technology Solutions Inc. (www.macom.com) is a leading supplier of high-performance RF, microwave, and millimeterwave and photonic products that enable next-generation internet and modern battlefield applications. Recognized for its broad catalog portfolio of technologies and products, MACOM serves diverse markets, including high speed optical, satellite, radar, wired and wireless networks, automotive, industrial, medical and mobile devices. A pillar of the semiconductor industry, we thrive on more than 60 years of solving our customers' most complex problems, serving as a true partner for applications ranging from RF to Light.

Headquartered in Lowell, Massachusetts, MACOM is certified to the ISO9001 international quality standard and ISO14001

environmental management standard. MACOM has design centers and sales offices throughout North America, Europe, Asia and Australia.

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ABOUT ROSS VIDEO:

Passionate about live production, Ross Video designs, manufactures and delivers dependable technology and services that power exceptional live video productions seen by billions of viewers around the world every day. Ross Video's goal is to make it easy for customers to create compelling news, weather and sports broadcasts, engaging material for sports stadium screens, legislative assemblies, entertainment shows and rock concerts, and inspiring content for houses of worship.

Relentlessly innovating, Ross Video delivers the world's widest range of products and services for augmented reality and virtual sets, mobile live-event solutions, real-time motion graphics, robotic camera systems, social-media management, production switchers, routers, infrastructure products, video servers, newsroom systems, terminal equipment and more.

Ross products and services are designed to offer the best system integration and unmatched customer choice by both working together seamlessly and integrating tightly with third-party solutions. Ross Video has offices around the world, and provides outstanding, free-for-life telephone support staffed by technical experts 24 hours a day, 365 days a year—even for products bought on eBay. Ross employees are authorized to rent helicopters when necessary.

Ross Video: The Production Technology Experts.

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