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EMCORE JPEG 2000 Video over IP Encoding/Decoding Technology Transforms HD Video Signal Distribution

Opticomm-EMCORE NV Series Converges IP With Professional Audio/Visual (AV) Networks

ALBUQUERQUE, N.M., June 11, 2012 (GLOBE NEWSWIRE) -- EMCORE Corporation (Nasdaq:EMKR), a leading provider of compound semiconductor-based components and subsystems for the fiber optic and solar power markets, announced today the introduction of the Opticomm-EMCORE NV Series JPEG 2000 products, providing the Broadcast and Professional Audio/Visual (AV) markets with the highest quality and lowest latency real-time High-Definition (HD) video distribution over Internet Protocol (IP). These JPEG 2000 products will be demonstrated at InfoComm 2012, June 13-15 in booth N2141 at the Las Vegas Convention Center.

The NV Series sends out high-resolution 3G HD, HDMI or DVI signals to HD monitors in one or multiple locations, using IP infrastructures. This breakthrough technology can be used to distribute HD digital content from multiple sources to almost unlimited displays over LAN.

"When video is transmitted directly from a live site to an editing studio, having very low latency is the most crucial aspect of the system. In our new NV Series of products, HD video and audio signals are received by the encoder, compressed using JPEG 2000, and transmitted with a latency of less than 50 milliseconds via an IP network," said Henok Tafese, Senior Director of Business Development for EMCORE.

When the NV Series is combined with a compatible managed Ethernet switch setup, the most flexible HD matrix switching distribution system can be created. The NV series allows our customers to move from matrix switch to managed-Ethernet switch by cascading multiple switches, so that numerous displays may be located long distances from their sources while sustaining consistent 1080p video and sound quality.

In addition, the NV series also allows USB data to be sent along with high-quality HD video and audio distribution signals to control a remote keyboard and mouse. The NV encoders and decoders may be configured via API (Application Program Interface) or a web server, and can be mounted in a 19" 1RU rack or used as a stand-alone unit.

The new Opticomm-EMCORE NV Series JPEG 2000 products are part of a complete HD video over IP solution that also includes the HD Series MPEG-4/MPEG-2 compression/decompression products. The complete breadth of these Broadcast and Professional AV products will be on display at Infocomm 2012, June 13-15, booth N2141 in the North Hall of the Las Vegas Convention Center. For more information, please visit www.Opticomm.com, or call 626-293-3400.

About EMCORE

EMCORE Corporation offers a broad portfolio of compound semiconductor-based products for the fiber optics and solar power markets. EMCORE's Fiber Optics business segment provides optical components, subsystems and systems for high-speed telecommunications, Cable Television (CATV) and Fiber-To-The-Premise (FTTP) networks, as well as products for satellite communications, video transport and specialty photonics technologies for defense and homeland security applications. EMCORE's Solar Photovoltaics business segment provides products for both space and terrestrial solar power applications. For space applications, EMCORE offers high-efficiency multi-junction solar cells, Covered Interconnect Cells (CICs) and complete satellite solar panels. For terrestrial applications, EMCORE offers a broad portfolio of Concentrator Photovoltaic (CPV) multi-junction solar cells and components, as well as commercial rooftop solar concentrator systems. For further information about EMCORE, visit <http://www.emcore.com>

Forward—looking statements:

The information provided herein may include forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934, as amended. Such statements include statements regarding the company's expectations, goals or intentions, including, but not limited to, product features and their benefits, product quality and network growth. These forward-looking statements are based on management's current expectations, estimates, forecasts and projections about the company and are subject to risks and uncertainties that could cause actual results and events to differ materially from those stated in the forward-looking statements. Risks and uncertainties that could cause the company's actual results to differ from those set forth in any forward-looking statement are discussed in more detail under "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" in the company's SEC filings. Forward-looking statements contained in this press release are made only as of the date hereof, and

the company undertakes no obligation to update or revise the forward-looking statements, whether as a result of new information, future events or otherwise.

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