Press Releases

eMagin Introduces New Digital Interface OLED Microdisplay Featuring Low Power, High Contrast and No Motion Artifacts

New Display Family to Open Doors to Next Generation of Multispectral Goggles and Broad Array of Military, Public Safety, Industrial and Consumer Products

BALTIMORE, April 30, 2013 – eMagin Corporation (NYSE MKT: EMAN) is launching a key addition to its next generation family of digital interface Organic Light Emitting Diode (OLED) microdisplays, featuring low power requirements, high contrast imagery and no motion artifacts, here at the SPIE Defense, Security and Sensing 2013 conference (booth #1958).

The SVGA150 OLED-XLTM, an ultra-compact, full-color, digital interface microdisplay, provides product designers with the ability to create a broad range of more versatile military, public safety, industrial and consumer headsets and goggles. The new microdisplay is an important addition to eMagin's digital interface, OLED-XL microdisplay family as it is an update to the Company's volume leading SVGA+ OLED microdisplay, first introduced in 2001.

It has a 15-micron pixel pitch (the same as eMagin's current SVGA microdisplay, making it easy to replace) and is extremely compact in size (just 18 millimeters long x 16 mm wide x 5.01 mm high) and is built upon on a single crystal silicon backplane. It features eMagin's Deep BlackTM pixel technology, which creates real black pixels and ultra crisp images with 100,000:1 contrast at normal luminance and room temperature – far exceeding the capabilities of LCD and LED displays.

Unlike other microdisplay technologies, the SVGA150 OLED-XL's pulse-width-modulation functionality virtually eliminates motion artifacts. It is inherently suited to commercial and military ruggedness standards, turns on instantly at low temperatures without the need for heaters and requires no backlight or liquid materials.

"The SVGA150 OLED-XL microdisplay is twice as efficient as eMagin's flagship SVGA+ OLED-XL microdisplay, making it the lowest power alternative, at this resolution, for near-to-eye, portable devices," said Andrew G. Sculley, president and CEO of eMagin Corporation. "Its compact design, long-life, high contrast and low-power consumption make it one of the most versatile displays we have ever created. Our design objective was to create the perfect balance between product performance and price in order to create the perfect upgrade for military, industrial and consumer applications."

The SVGA150 OLED-XL microdisplay supports a wide range of applications including night vision/thermal imaging, targeting devices, command and control, situational awareness, augmented vision/data glasses, mobile computing systems, personal display systems field maintenance and repair and instrumentation and test equipment. eMagin is a leader in OLED microdisplays and virtual imaging technologies used in military and commercial applications.

"The marketplace for OLED microdisplays is expanding in terms of applications and overall unit volume," said Chris Chinnock, president, Insight Media (www.insightmedia.info), a market research firm with a strong focus on display products and markets. "As this technology matures, with smaller form factors, higher resolution and diminished power requirements, we would expect to see the opportunities for this technology to expand dramatically in the next five years to 24 million units.

"The technology's impact will also begin to influence other product categories and markets including augmented reality, camera viewfinders, medical equipment, sports viewers, head-up displays and more," said Mr. Chinnock.

eMagin's digital interface OLED-XL family of OLED microdisplays includes the VGA150 OLED-XL, the WUXGA OLED-XL and the new SVGA150 OLED-XL. Additional products are planned for release in 2013.

Engineering samples of the SVGA150 OLED-XL microdisplay are now available with volume production expected by the end of July 2013. For more information and technical specifications, contact Bruce Ridley at bridley@emagin.com or 425-284-5212.

About eMagin Corporation

A leader in OLED microdisplay technology, OLED microdisplay manufacturing know-how and mobile display systems, eMagin manufactures high-resolution OLED microdisplays and integrates them with magnifying optics to deliver virtual images comparable to large-screen computer and television displays in portable, low-power, lightweight personal displays. eMagin microdisplays provide near-eye imagery in a variety of products from military, industrial, medical and consumer OEMs. More information about eMagin is available at www.emagin.com.

Forward-Looking Statements

This press release contains 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, including those regarding eMagin Corporation's expectations, intentions, strategies and beliefs pertaining to future events or future financial performance. Actual events or results may differ materially

from those in the forward-looking statements as a result of various important factors, including those described in the Company's most recent filings with the SEC. Although we believe that the expectations reflected in the forward-looking statements are reasonable, such statements should not be regarded as a representation by the Company, or any other person, that such forward-looking statements will be achieved. The business and operations of the Company are subject to substantial risks which increase the uncertainty inherent in forward-looking statements. We undertake no duty to update any of the forward-looking statements, whether as a result of new information, future events or otherwise. In light of the foregoing, readers are cautioned not to place undue reliance on such forward-looking statements.

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