



Kopin's 2.6K x 2.6K OLED Display Incorporated in Panasonic's New VR Glasses

WESTBOROUGH, Mass. - Kopin Corporation (NASDAQ: KOPN), a leading developer and provider of high-performance microdisplays announced its Lightning[®] 2.6K x 2.6K (2560 x 2560 resolution) OLED (organic light emitting diode) display on chip (DoC[™]) are incorporated in [Panasonic's VR Glasses](#) introduced at the CES 2021 this week. This industry-leading 2.6K x 2.6K OLED microdisplay on Si integrates many functional blocks including MIPI serial interface, display stream compression (DSC) and memory. The 2.6K x 2.6K DoC is designed specifically for high-performance, compact virtual reality (VR), augmented reality (AR) and mixed reality (MR) headsets.

The Panasonic VR Glasses are the world's first high-dynamic-range (HDR) capable, ultra-high-definition VR eyeglasses and offer stunning lifelike images. The Panasonic VR Glasses has a very small form-factor thanks to the 1.3" displays and the slim Pancake[®] optics. The small, lightweight form factor makes the glasses comfortable to wear for extended periods of time, unlike today's bulky VR headsets. The glasses also feature integrated hi-fidelity audio providing a complete sensory experience - whether it be used for viewing sports, entertainment content or games. The stylish VR Glasses also provide for IPD (interpupillary distance) adjustment and diopter adjustment so that they can be used without corrective lenses.

The 2.6K x 2.6K OLED DoC is made with Kopin's patented ColorMax[™] technology for high color fidelity (> 100% sRGB) and a duo-stack OLED structure for high brightness (> 1000 nits). The 10-bit color control, together with the high color fidelity, high brightness and high contrast ratio (> 10,000: 1), enables the much-desired studio-quality, HDR capable VR experience.

"We have worked very closely with Panasonic on the display and with 3M on the Pancake optics for the Panasonic VR glasses," said Dr. John C.C. Fan, President and CEO of Kopin. "We have had a very collaborative development program with each company contributing core elements of the technology and design - the ultimate Panasonic VR Glasses have both high-performance and a sleek, comfortable design. We look forward to seeing Panasonic delight their customers with this magnificent VR Glasses."

Kopin, Lightning and Pancake are registered trademarks and ColorMax and DoC are trademarks of Kopin Corporation.

About Kopin

Kopin Corporation is a leading developer and provider of innovative display and optical technologies sold as critical components and subassemblies for military, industrial and consumer products. Kopin's technology portfolio includes ultra-small Active Matrix Liquid Crystal displays (AMLCD), Liquid Crystal on Silicon (LCOS) displays and Organic Light Emitting Diode (OLED) displays, a variety of optics, and low-power ASICs. For more information, please visit Kopin's website at www.kopin.com.

About Panasonic Corporation

Panasonic Corporation with headquarter in Osaka, Japan is a worldwide leader in the development of diverse electronics technologies and solutions for customers in the consumer electronics, housing, automotive, and B2B businesses. To learn more about Panasonic: <https://www.panasonic.com/global>.

About 3M

At 3M (NYSE: MMM) we apply science in collaborative ways to improve lives daily as our employees connect with customers all around the world. Learn more about 3M's creative solutions to global challenges at www.3M.com or on Twitter [@3M](#) or [@3MNews](#).

Forward-Looking Statements

Statements in this press release may be considered "forward-looking statements" within the meaning of Section 27A of the Securities Act of 1933, as amended (the "Securities Act"), and Section 21E of the Securities Exchange Act of 1934, as amended (the "Exchange Act"), which are subject to the safe harbor created by such sections. Words such as "expects," "believes," "can," "will," "estimates," and variations of such words and similar expressions, and the negatives thereof, are intended to identify such forward-looking statements. We caution readers not to place undue reliance on any such "forward-looking statements," which speak only as of the date made, and advise readers that these forward-looking statements are not guarantees of future performance and involve certain risks, uncertainties, estimates, and assumptions by us that are difficult to predict. These forward-looking statements may include statements with respect to: the existence of a collaborative development program between Kopin, Panasonic and 3M; and our expectation that Panasonic will commercialize the VR . Various factors, some of which are beyond our control, could cause actual results to differ materially from those expressed in, or implied by, such forward-looking statements. All such forward-looking statements, whether written or oral, and whether made by us or on our behalf, are expressly qualified by these cautionary statements and any other cautionary statements that may accompany the forward-looking statements. In addition, we disclaim any obligation to update any forward-looking statements to reflect events or circumstances after the date of this press release, except as may otherwise be required by the federal securities laws. These forward-looking statements are only predictions, subject to risks and uncertainties, and actual results could differ materially from those discussed. Important factors that could affect performance and cause results to differ materially from management's expectations are described in Part I, Item 1A. Risk Factors; Part II, Item 7. Management's Discussion and Analysis of Financial Condition and Results of Operations; and other parts of our Annual Report on Form 10-K for the fiscal year ended December 28, 2019, or as updated from time to time in the Company's Securities and Exchange Commission filings.

View source version on businesswire.com: <https://www.businesswire.com/news/home/20210115005102/en/>

Kopin

Sales & Marketing/Technical

James Johnston, 508-870-5959

jjohnston@kopin.com

Investor Relations

Richard Sneider, 508-870-5959

Treasurer and Chief Financial Officer

Richard_Sneider@kopin.com

or

Market Street Partners

Joann Horne, 415-445-3233

JHorne@marketstreetpartners.com

1/15/2021 8:15:00 AM