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MicroVision to Showcase the Capabilities of its New Display and 3D Sensing Engines at CES 2017

Company demonstrations include interactive short throw display with integrated time-of-flight 3D sensing and 3D sensing mid-range LiDAR prototypes and samples of its small form factor display engine

LAS VEGAS--(BUSINESS WIRE)-- MicroVision, Inc. (NASDAQ: MVIS), a leader in innovative ultra-miniature projection display and sensing technology, today announced it is showcasing the capabilities of three display and sensing engines that the company plans to introduce in 2017 and 2018 at CES 2017 in Las Vegas, January 5-8, 2017.

MicroVision announced last year that it is planning to offer three display and sensing engines based on the ability of its patented PicoP® scanning technology to enable projected display, interactivity and 3D sensing for a wide range of products and applications. The company has prepared demonstrations of the capabilities of all three engines that it will be featuring in its meeting suites at CES.

PSE-0403 Small Form Factor Display Engine

MicroVision will be featuring samples of its small form factor display engine, model PSE-0403-101, highlighting how this engine which has a volume of less than 12 cubic centimeters and is only six millimeters in width, can be embedded into a number of small, portable devices like smartphones, tablets, media players and other smart IOT devices. These display engines are 720p HD and project focus-free images with vivid, saturated colors. An intense contrast ratio of over 80,000 to 1 combined with up to 40[1] lumens for most video and still content makes for striking images that appear significantly brighter than the measured lumens. The company announced last month that samples of this engine are available and shipping to customers now. MicroVision expects this engine to be ready for mass production in the second quarter of this year. There is an option for this engine with a fixed focal length, PSE-0403-102, that is targeted for aftermarket head-up display (HUD) applications.

PSE-0403sti-101 Short Throw Interactive Display Engine

MicroVision will also be featuring an interactive display prototype that combines display functionality with 3D sensing that enables a natural gesture recognition feature for consumer products. The interactive display engine enables user experiences where touching a projected image is processed by the system in the same way as interacting with a touchscreen on a smartphone or tablet. Samples of interactive display engines the company is developing, model PSE-0403sti-101, are expected to be available in the second quarter of this year with production units targeted for the third quarter.

The interactive display engine is built on the common LBS platform shared with the PSE-

0403 display engines and will include the same display features combined with an integrated time-of-flight (ToF) sensing function. MicroVision's ability to combine ToF sensing and pico projection into a single compact engine offers OEMs new possibilities for products by mimicking a Windows 10 or Android touch screen display or providing access to intermediate point cloud data all from an engine so small it can be embedded in mobile and smart IOT products.

PSE-0403Li-101 3D Sensing Mid-Range LiDAR

MicroVision will also demonstrate a prototype 3D sensing mid-range LiDAR system at CES. Viewers will be able to see the real time capture of moving targets with little to no difference in the color map for white and black objects at the same distance. MicroVision is developing a sensing engine, PSE-0403Li-101, for mid-range LiDAR and expects to have samples of this engine in the second half of 2017 and be ready for mass production in the first half of 2018.

This engine, with a field of view of 90 degrees horizontal by 30 degrees vertical[1], can be configured into a product for 90, 180, 270 or 360 degree coverage depending on the needs of the application. The engine is expected to have low power consumption, scalable resolution, programmable point cloud output and filtering, and variable distance and reflectance output. Because this LiDAR engine will be built on MicroVision's common LBS platform utilizing the same MEMS and ASICS as the other engines in the PSE-0403 family, it is expected to be very compact and cost effective, particularly when compared to other LiDAR options. This combination of features and cost effectiveness is expected to make this mid-range LiDAR engine from MicroVision a very attractive alternative for OEMs interested in applications such as autonomous vehicles, machinery, drones and robotics.

Visits to MicroVision's suites at CES are by invitation only. OEMs interested in learning more about MicroVision's technology and arranging a demonstration should contact bd@microvision.com.

[1] Specifications subject to change.

About MicroVision

MicroVision is the creator of PicoP® scanning technology, an ultra-miniature laser projection and sensing solution based on the laser beam scanning methodology pioneered by the company. MicroVision's platform approach for this advanced display and sensing solution means that it can be adapted to a wide array of applications and form factors. It is an advanced solution for a rapidly evolving, always-on world. Extensive research has led MicroVision to become an independently recognized leader in the development of intellectual property. MicroVision's IP portfolio has been recognized by the Patent Board as a top 50 IP portfolio among global industrial companies and has been included in the Ocean Tomo 300 Patent Index. The company is based in Redmond, Wash.

For more information, visit the company's website at www.microvision.com, on Facebook at www.facebook.com/MicroVisionInc or follow MicroVision on Twitter at @MicroVision.

Forward-Looking Statements

Certain statements contained in this release, including those relating to future product and product applications, new technologies and statements using words like “plans,” “expects,” “targeted” and similar words are forward-looking statements that involve a number of risks and uncertainties. Factors that could cause actual results to differ materially from those projected in the company's forward-looking statements include the following: our ability to raise additional capital when needed; products incorporating our PicoP® scanning technology may not achieve market acceptance, commercial partners may not perform under agreements as anticipated, we may be unsuccessful in identifying parties interested in paying any amounts or amounts we deem desirable for the purchase or license of IP assets, our or our customers failure to perform under open purchase orders; our financial and technical resources relative to those of our competitors; our ability to keep up with rapid technological change; government regulation of our technologies; our ability to enforce our intellectual property rights and protect our proprietary technologies; the ability to obtain additional contract awards; the timing of commercial product launches and delays in product development; the ability to achieve key technical milestones in key products; dependence on third parties to develop, manufacture, sell and market our products; potential product liability claims; and other risk factors identified from time to time in the company's SEC reports, including the company's Annual Report on Form 10-K filed with the SEC. Except as expressly required by federal securities laws, we undertake no obligation to publicly update or revise any forward-looking statements, whether as a result of new information, future events, changes in circumstances or any other reason.

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