

For Immediate Release

Radiant Vision Systems Joins the MicroLED Industry Association to Support Technology Development

REDMOND, Wash. – August 2, 2022 – Radiant Vision Systems, a leading provider of scientific imaging systems for automated visual inspection of light sources and displays, announces that it has joined the [MicroLED Industry Association](#) to support development and adoption of microLEDs and microLED display technology.



The MicroLED Industry Association was formed in 2022 to accelerate the adoption of microLED display technologies, bringing together companies, researchers, and organizations active in the microLED and providing a forum for solving common technology issues, fostering cooperation, and sharing relevant resources. The association’s mission is to ensure that the microLED display industry speaks in a uniformed voice and promote microLED display solutions. The association is actively seeking new members with the aim of assisting microLED innovators in reaching their marketing and development goals.

“I am truly happy to have Radiant Vision Systems join the MicroLED Industry Association,” states Ron Mertens, Managing Director of the MicroLED Industry Association. “As a leading company in its field, and one that has always displayed a commitment to industry growth and sharing knowledge for the benefit of the industry, I am sure Radiant will be an invaluable member of the association.”

A pioneer in test and measurement for the display industry, Radiant has developed solutions for quantifying the output of emissive displays for decades, including the first inspection system for pixel-level measurement of full-color OLED production test applications in 2004. Radiant has continued refine these methods to measure increasingly high-resolution displays with greater pixel densities. With the emergence of new emissive display technologies, Radiant now applies the same principles for highly accurate and efficient microLED display testing.

Like OLED, microLED quality relies on the consistent output of individual light-emitting subpixels. Inconsistencies in microLED brightness or color, inaccuracies during wafer-level transfer, and other fabrication issues can result in displays with a noticeable non-uniform or speckled appearance. Radiant’s pixel-level measurement methods enable imaging systems to capture highly accurate values of luminance and chromaticity at each emissive subpixel. Applying patented methods (US Patent 9135851; US Patent 10971044), Radiant’s [ProMetric® Imaging Colorimeter and Photometer](#) solutions are capable of measuring all individual microLED subpixels in a display at once to calculate discrepancies between subpixel output. This enables output to be adjusted to uniform values at all display bright states—a process called pixel uniformity correction (PUC) or demura.

18640 NE 67th Court
Redmond, WA 98052 USA
T: +1.425.844.0152

“The more efficiently microLED technologies can be manufactured, the more viable microLED displays become for commercialization, in terms of market cost and availability. This efficiency relies, in part, on testing and correcting pixel-level emissions during manufacture,” states Doug Kreysar, CEO of Radiant Vision Systems. “Radiant brings our extensive pixel-level measurement expertise to the microLED industry to help manufacturers dramatically improve throughput of high-quality displays, accelerating market penetration.”

“The future of microLED displays continues to take shape thanks to a joint effort of innovation from a diverse community of researchers and manufacturers,” continues Kreysar. “We are excited to join the MicroLED Industry Association alongside other pioneers of microLED innovation. We believe Radiant’s unique contribution to quality, commercially viable microLED display technologies supports this concerted endeavor to realize the potential of future microLED products.”

Radiant joins the MicroLED Industry Association alongside industry leaders such as Coherent, Ennostar, InZiv, PlayNitride, STRATACACHE, VueReal, and others. More information about the MicroLED Industry Association can be found at www.microledassociation.com. For more information about Radiant, visit www.RadiantVisionSystems.com.

About the MicroLED Association

The MicroLED Industry Association was created to accelerate the adoption of microLED display technologies. The association brings together companies, researchers and organizations active in the MicroLED industry and provides the ideal forum for solving common technology issues, fostering cooperation and sharing relevant information, resources and tools. For more information, visit www.microledassociation.com.

About Radiant Vision Systems

Radiant Vision Systems works with world-class brands and manufacturers to deliver creative visual inspection solutions that improve quality, reduce costs, and increase customer satisfaction. Radiant’s legacy of technology innovation in photometric imaging and worldwide install base date back more than 30 years and address applications from consumer electronics to automotive manufacturing. Radiant Vision Systems product lines include TrueTest™ automated visual inspection software for quality control, and ProMetric® imaging colorimeters, photometers, and light source measurement systems. Radiant is headquartered in Redmond, Washington, USA, with strategic offices in California, Michigan, China, South Korea, and Vietnam. Radiant has been a part of Konica Minolta’s Sensing Business Unit since August 2015. For more information, visit www.RadiantVisionSystems.com.

Press Contact:

Shaina Warner
Marketing Program Manager
Radiant Vision Systems
+1 (425) 844-0152 x587
Shaina.Warner@RadiantVS.com

18640 NE 67th Court
Redmond, WA 98052 USA
T: +1.425.844.0152