

For Immediate Release

**Radiant Vision Systems Honored by 2020
Laser Focus World Innovators Awards**

REDMOND, Wash. – October 12, 2020 — Radiant Vision Systems, a leading provider of test and measurement solutions for light sources and displays, announces today that its [ProMetric® Y43 \(43-megapixel\) Imaging Photometer](#) was recognized among the best by the judges of the [2020 Laser Focus World Innovators Awards](#). An esteemed and experienced panel of judges from the optics and photonics community recognized Radiant Vision Systems as a Gold honoree.



“On behalf of the Laser Focus World Innovators Awards, I would like to congratulate Radiant Vision Systems on their Gold-level honoree status,” said *Laser Focus World* Editor in Chief John Lewis. “This competitive program allows *Laser Focus World* to celebrate and recognize the most innovative products impacting the photonics community this year.”

The ProMetric Y43 Imaging Photometer is a scientific metrology tool that enables quantification of exact luminance values in displays and illuminated components. The latest display technologies leverage the increasingly small light-emitting elements of OLED, quantum dot (QD), miniLED, and microLED (μ LED) to achieve higher resolutions and more precise control of display brightness, color, uniformity, and contrast. Ensuring the overall visual quality of these displays relies on ensuring correct and uniform luminance output of each tiny, individual emitter across the display. Traditional metrology systems have provided limited resolution and imaging performance for measuring these individual pixels and subpixels, reducing the accuracy of their results for reliable automated inspection and pixel-level correction processes. In some cases, manufacturers have had to use multiple high-resolution imaging systems or capture multiple high-resolution images to complete a single display measurement, stitching images together to obtain sufficient resolution across each pixel in display for pixel-level measurement accuracy. This process is too time-consuming to meet production takt times for display devices, and can introduce errors if images are not perfectly combined. For these reasons, a single-camera metrology system with sufficient resolution for single-image display pixel measurement has been in increasing demand.

Released in May 2019, the [ProMetric Y43 Imaging Photometer](#) offers the highest-resolution scientific-grade image sensor available in imaging photometers at 43 megapixels (8040 x 5360). The sensor is cooled and temperature stabilized to 5 degrees Celsius using thermoelectric

SEE THE DIFFERENCE

coolers (TEC) to limit image noise for highly accurate, repeatable imaging. The high resolution of the ProMetric Y43 allows the camera to measure luminance output at the pixel and subpixel (RGB emitter) level and calculate variations across display bright states. The camera achieves several sensor pixels per display pixel in a single measurement image to enable precise analysis and pixel uniformity correction for today's increasingly pixel-dense displays. The system completes measurements containing over 43 million data points in less than 1.5 seconds, and has been quickly adopted by leading manufacturers as the fastest photometric imaging solution for production-level applications such as in-line quality control and demura, or pixel uniformity correction.

The ProMetric Y43 Imaging Photometer was awarded a Gold-level Innovators Award by *Laser Focus World*, which recognizes an excellent innovation, the benefits of which are clear. A Gold-level Innovators Award recipient makes a substantial improvement over previous methods employed, approaches taken, or products/systems used. Honorees of the 2020 Laser Focus World Innovators Awards program were announced during a virtual event on October 12, 2020.

Learn more about Radiant's line of ProMetric Y Imaging Photometers at www.RadiantVisionSystems.com.

About Laser Focus World

Published since 1965, *Laser Focus World* (www.laserfocusworld.com) has become the most trusted global resource for engineers, researchers, scientists, and technical professionals by providing comprehensive coverage of photonics technologies, applications, and markets. *Laser Focus World* reports on and analyzes the latest developments and significant trends in both the technology and business of photonics worldwide — and offers greater technical depth than any other publication in the field.

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 25 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, Vietnam, and South Korea. 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
Creative Marketing Specialist
Radiant Vision Systems
+1 (425) 844-0152 x587
Shaina.Warner@RadiantVS.com

###