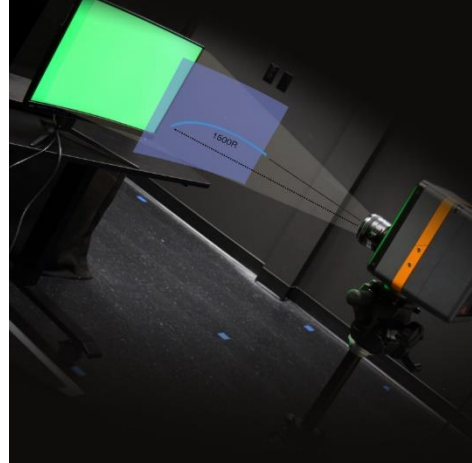


For Immediate Release

Radiant Webinar Presents Methods for Visual Performance Testing and Defect Detection in Automotive Curved Displays

REDMOND, Wash. – December 5, 2019 — Radiant Vision Systems, a leading provider of test and measurement solutions for lighting and displays, announces that it will host a webinar to present findings from its lab-based study to evaluate the effectiveness of various methods and system specifications for visual performance testing of automotive curved displays. The webinar, titled [“Methods for Measuring Small Defects in Curved Displays: Evaluating Approaches and System Specifications,”](#) will be broadcast live on Tuesday, December 17, 2019, from 10:00 to 11:00 A.M. Pacific Standard Time (PST) (1:00 to 2:00 P.M. Eastern Standard Time (EST)). The broadcast includes a technical presentation by Radiant Sales Engineer, Chris Williamson, followed by a live audience question and answer session.



Curved displays offer manufacturers new design flexibility for vehicle interiors, but also introduce challenges for display measurement. Display test methods developed for traditional flat panel displays are inadequate for accurately evaluating the visual qualities of curved displays, which are affected by view angle changes along their curvature that result in focus and contrast differences from center to edge. A new take on traditional display test methods (components and applications) may be all that is required to ensure curved displays can be quantifiably and objectively measured for visual quality. Through a study of systems and approaches, an effective method can be formalized, and standards can begin to define universal evaluation criteria. This would allow manufacturers to successfully incorporate new display form factors at a level of quality that is consistent with existing expectations.

A leading display test solution provider with over 25 years in light and color metrology, Radiant works with global manufacturers at the forefront of display innovation that includes curved, freeform, and flexible displays—highly anticipated by today’s consumers. Novel implementations of LCD, OLED, and microLED displays, as well substrates like molded or flexible plastic and TFT backplanes, enable new display-based interfaces that take any shape and dimensionality. Leveraging high imaging resolution, dynamic optical settings, and an extensive library of software analysis functions, Radiant [ProMetric® Imaging Colorimeters and Photometers](#) provide a toolset that can be adapted for a wide range of new testing conditions to evaluate these and other display types making their way into the vehicle, such as digital cockpits, head-up displays (HUD), instrument clusters, and electronic mirrors.

At Radiant’s upcoming webinar, Sales Engineer Chris Williamson will present the results of several lab tests measuring a 1500R LED-lit curved display using an imaging colorimeter and analysis software to evaluate the effectiveness of various methods and system specifications

to optimize the accuracy of defect detection in curved displays. The presentation will include an overview of the effect of display curvature on small defects like pixels and lines, as well as the impact of measurement factors including setup (number of images and analysis regions) and system specifications (resolution and depth of field). Optimal measurement methods are recommended to enable accurate and reliable detection of small defects in curved displays, with considerations for labs and production lines.

For information about this webinar and to register for the live broadcast on December 17th, visit www.RadiantVisionSystems.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 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, 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.

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