

RADIANT IMAGING, Inc.: Press Release

Radiant Imaging Improves Seattle's Biggest Video Screens

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Duvall, WA

Two of the largest, full-motion video screens in the Pacific Northwest received some subtle but important adjustments recently. As a result, fans attending pro football games and other events at the Seahawks Stadium will experience the highest quality large screen video in the world.

Using their PM-LED, CCD-based colorimeter/photometer for display metrology and a specially designed lens, a team of engineers from Radiant Imaging worked with stadium officials and the screen manufacturer to make detailed refinements to the two, state-of-the-art Light Emitting Diodes (LED) screens at Seahawks Stadium.

Each pixel of these displays is comprised of a red, green, and blue LED, but there are considerable unit-to-unit variations in brightness and color. Radiant Imaging's team was able to precisely quantify the brightness and color for all of the 2.25 million LEDs on each screen. This was accomplished without removing the approximately 3,000 modules that make up each of the 1,600-square foot screens. The measured values were analyzed by the system's software, and corrected adjustment factors were then uploaded back into the screen's electronics. Collectively, these changes made the screen image more uniform in brightness and in color.

This is the first time a fine-tuning project of this size and scope has ever been undertaken in the field for an LED screen.

"While the Seahawks' video scoreboards are among the brightest and highest resolution screens in the world, and offered excellent images from the outset, LED screens inherently degrade in clarity and brightness after installation," notes Ron Rykowski, founder and president of Radiant Imaging. "We knew it could be better and wanted the displays to reach their full potential. We believe Radiant Imaging's system has the capability to change how fans all over the world view LED screens in stadiums and other facilities."

"Our technology enables us to bring the screen back to the same quality as it was when it was new, or sometimes even better than new. And this can be done in a cost-effective and timely way with little or no downtime to the equipment," Rykowski added.

Initially Radiant Imaging was only asked to fine-tune the north screen at the stadium late last year, but once the north screen was completed, and such excellent results were obtained, Radiant Imaging was asked to fine-tune the south screen as well.

Radiant Imaging, Inc., founded in 1992, is the worldwide leader in imaging systems for light and color measurement, and illumination engineering tools and services. Radiant Imaging's technologies are focused on providing lighting and display system manufacturers with enhanced design capabilities, greater product development efficiency, improved manufacturing productivity and increased competitive effectiveness in the world marketplace. Radiant Imaging's three major product areas are the ProMetric™ light and color measurement systems, Radiant Sources™ light source characterization systems and source data, and its contract Illumination Engineering Services.

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