

Lumenera Provides Flexible Real-Time Video Solution for Challenging Audio/Visual Projects

Backgrounder

Established in 2005, RealityCramp provides technology consulting, engineering, design, project management, and implementation services around the United States. Working with Oasis Digital, a custom software developer, they are able to implement digital audio and video solutions for a variety of projects.

When RealityCramp required an imaging solution for projects they were developing they searched for an advanced and flexible option that was ideal in a variety of challenging conditions including: a wide range of lighting conditions; diverse weather conditions; and varying degrees of sensitivity. To meet these requirements RealityCramp chose Lumenera digital cameras.

Installations

RealityCramp and Oasis Digital have utilized Lumenera camera technology to capture live events in a wide variety of environments:

Golf Swing Analysis

Lumenera's Le375C camera is used to capture a golfer's swing at different holes from numerous angles to allow for comprehensive feedback on the player's technique. The camera is mounted outdoors on the golf course and records several views of a golfer's play. The image data is then wirelessly transmitted back to a server. From there, Oasis Digital's software automatically edits the multiple angles and images and burns a DVD for the player to take home, or uploads the information to the web for future download.

Manufacturing

RealityCramp created a 24/7 Telepresence System using Lumenera cameras in multiple locations. This allows engineers at headquarters in Eastern Missouri to communicate interactively with manufacturing plants in the Netherlands and Southern Missouri throughout the day. It is a merged, on-demand, meeting room approach to collaboration.



Highlights

- RealityCramp and Oasis Digital have utilized Lumenera camera technology to capture live events in a wide variety of projects.
- RealityCramp required an imaging solution that could work in many challenging environments including a wide range of lighting, diverse weather conditions and varying degrees of sensitivity for a variety of projects.
- By choosing Lumenera's highly sensitive and versatile cameras, RealityCramp and Oasis Digital were able to offer real time video in their unique and innovative audio/visual projects.



Museums and Interactive Learning

For museum environments, Lumenera cameras capture presentations and microscope imagery to stream to RealityCramp's server. The video server then transmits live to a number of locations throughout the institution. Many streams can be put together and edited live, or a single full screen can be displayed.

Outcome

By choosing Lumenera's highly sensitive and versatile cameras, RealityCramp and Oasis Digital were able to offer real time video in their unique and innovative audio/visual projects. This technology allows their users to access data in edited, raw, web, or any number of formats/mediums. An average of 5 cameras per installation have been placed into climate controlled environments, as well as, challenging outdoor conditions, and have stood the test of the elements.

The qualities that attracted RealityCramp to Lumenera technologies were reliability, stability and quality. They also required network capable cameras with high definition resolution and the ability to start and stop video streams from customized software or stream continuously if needed. RealityCramp and Oasis Digital both appreciated the "easy-to-work with" engineering team and the continuous technical support Lumenera offers.

RealityCramp's goal is to capture and transmit video that has value; personally, corporately, and educationally, and they have chosen Lumenera to help achieve this goal.

Lumenera's Le375C camera used by RealityCramp and Oasis Digital



About Lumenera

Lumenera Corporation, a division of Roper Technologies, headquartered in Ottawa, Canada, is a leading developer and manufacturer of high performance digital cameras and custom imaging solutions. Lumenera cameras are used worldwide in a diverse range of industrial, scientific and security applications.

Lumenera solutions provide unique combinations of speed, resolution and sensitivity in order to satisfy the most demanding digital imaging requirements. Lumenera customers achieve the benefit of superior price to performance ratios and faster time to market with the company's commitment to high quality, cost effective product solutions.

For further information about Lumenera, please visit www.lumenera.com or call 613-736-4077.

