

# 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 some of the projects they were developing they looked for an advanced and flexible option that can work in many challenging conditions from a wide range of lighting, diverse weather conditions and varying degrees of sensitivity. To meet these varying needs 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 later 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



## Highlights

- RealityCramp and Oasis Digital have utilized Lumenera camera technology to capture live events in a wide variety of environments.
- RealityCramp required an imaging solution that can work in many challenging conditions from 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.



Netherlands and Southern Missouri throughout the day. It is a merged, always on, meeting room approach to collaboration.

### 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 HD resolution and the ability to start and stop video streams from the customized software, as well as stream continuously if needed. RealityCramp and OasisDigital 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 achieve this goal.



Lumenera's Le375C camera used by RealityCramp and Oasis Digital

#### About Lumenera

Lumenera Corporation, a division of Roper Industries, 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](http://www.lumenera.com) or call 613-736-4077. To receive Lumenera press releases as they are issued, contact us at [marketing@lumenera.com](mailto:marketing@lumenera.com).

