

# Lumenera Provides Facial Recognition Imaging in Gaming Facilities

## Lumenera Cameras Deployed for Facial Recognition Applications in Challenging Environments

Lumenera has deployed several surveillance cameras into casinos across North America. These cameras have been greatly beneficial in facial recognition technology due to advanced features such as high dynamic range, low light sensitivity, and easy installation and set-up.

Facial recognition is largely used for individuals who have subscribed to a Self-Exclusion Program for problem gambling. This program is in place to forbid members of the program from entering a gaming facility once they have voluntarily subscribed to the exclusion. It is the responsibility of the casino to prevent the Self-Exclusion Program members from entering.

## Clear Imaging Allows for Automated Surveillance and Patron Safety

It is challenging for security staff to watch every camera at all times and pinpoint those patrons who have self-excluded without any technological support. Facial recognition technology allows the casino to ensure a Self-Exclusion Program member will not enter the facility as specific details of their face will be picked up through surveillance cameras and compared against the database of existing enrolled subjects.

When a match is made, an alert is sent to the security operator outlining which camera identified the self-excluded subject, time of identification, and subject information. The system is automated allowing a large database to be searched instantaneously, narrowing down thousands of possible subjects to one individual in seconds.

This facial recognition system requires a megapixel imaging solution that is able to produce pristine imagery in non-standard lighting to ensure the proper facial identification is made.



Lumenera's Le165 camera for facial recognition in casinos

### Highlights

- Lumenera has deployed several surveillance cameras into casinos across North America commonly used for facial recognition technology.
- Facial recognition is largely used for individuals who have subscribed to a Self-Exclusion Program for problem gambling.
- Lumenera provides the Le165 camera, featuring high dynamic range, low light sensitivity, and easy installation, in many gaming facilities with challenging lighting conditions.
- The Le165 is able to accurately and quickly identify banned persons through features, height variances and position in real time.



## Lumenera's Le165 Provides the Unique Capabilities Needed for Facial Recognition Software

Casino and gaming facilities provide a unique challenge for surveillance cameras. Often overall lighting is dim with bright lights in isolated areas. This makes it difficult to catch fine details in a patron's face. To provide complete security and ensure the safety of guests, a camera capable of rendering a clear and precise image in low light is required for surveillance and facial recognition activities.

Lumenera provides the Le165 camera, featuring 1376x1032 resolution at 15 fps, in many gaming facilities with difficult conditions. Lumenera cameras capitalize on "in-camera" settings to adapt to the varying light levels and unfavorable imaging environments. The Le165 is able to accurately and quickly identify banned persons through features, height variances and position in real time. For facial recognition applications, Lumenera cameras have been designed with the appropriate optics to satisfy pixel-on-target requirements of the software utilized by casinos.

Lumenera's surveillance cameras and facial recognition software allow casinos and gaming facilities to monitor self-exclusion programs more effectively than ever before. With the Le165 casinos comply with gaming regulations and ensure guests are safe.

### 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).

