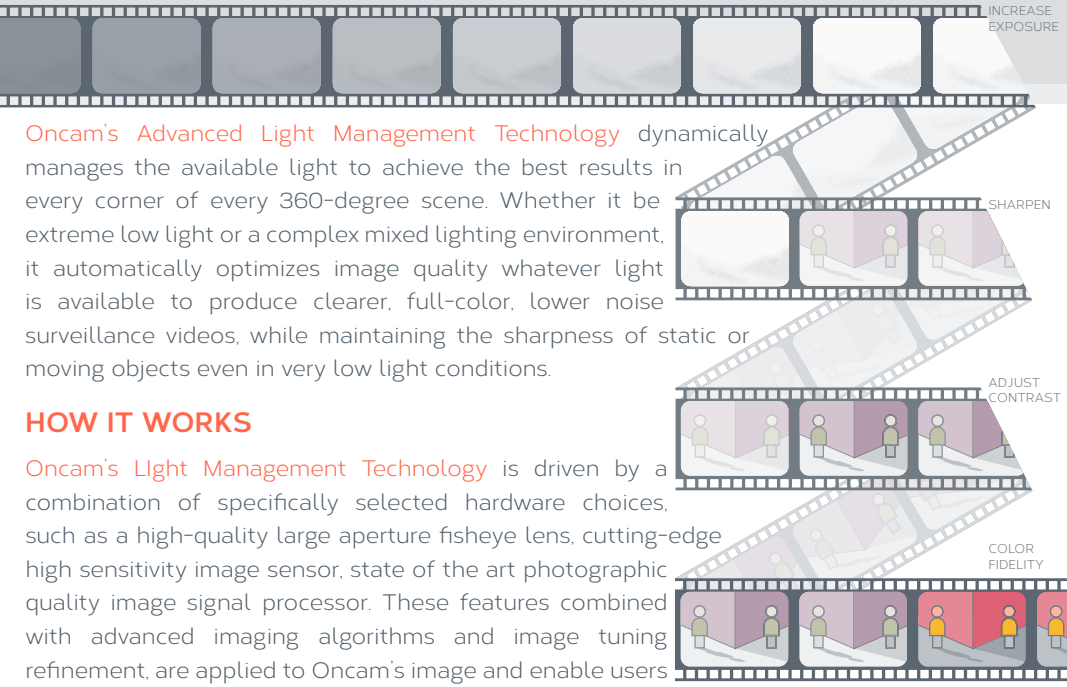
ADVANCED LIGHT MANAGEMENT

Dynamic light management for every use case

ONCAM

www.oncamgrandeye.com



Oncam's Advanced Light Management Technology dynamically manages the available light to achieve the best results in every corner of every 360-degree scene. Whether it be extreme low light or a complex mixed lighting environment, it automatically optimizes image quality whatever light is available to produce clearer, full-color, lower noise surveillance videos, while maintaining the sharpness of static or moving objects even in very low light conditions.

HOW IT WORKS

Oncam's LIght Management Technology is driven by a combination of specifically selected hardware choices, such as a high-quality large aperture fisheye lens, cutting-edge high sensitivity image sensor, state of the art photographic quality image signal processor. These features combined with advanced imaging algorithms and image tuning refinement, are applied to Oncam's image and enable users to see the finer details in challenging low and mixed light conditions.

In low light conditions, where longer exposures are needed to keep the image bright and minimize noise, Oncam's Advanced Light Management Technology uses dynamic scene identification to apply the required level of exposure, which provides more clarity to the scene. When it gets dark and unwanted image noise can become a problem, complex 3D and special noise filters are applied to deliver a smooth image maintaining the required detail. Given the importance that color has in how humans recognize images, rather than providing near black and white images, Oncam's Advanced Light Management Technology has been designed to deliver color fidelity even in the most challenging light conditions.

WHAT ARE THE BENEFITS?

- Optimum image quality based on making best use of the available light
- Dynamic light management in mixed lighting conditions
- Intelligent, adaptive exposure management system with user preferences; default balanced mode is applied for users that don't have a strong preference.
- Array of advanced noise reduction image processing algorithms
- Maintain high frame rate if required or dynamically reduce to capture more light per frame
- Reduced bandwidth and storage consumption due to cleaner less noisy images
- Fully automated, this technology dynamically applies the correct image adjustments based on lighting condition of the full 360-degree image

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Automatically optimizes image quality whatever the available light is.

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sales@oncamgrandeye.com
UK: +44 (0)20 7371 6640 | US: +1 978 735 4860