

ORIA

IMAGING SYSTEM 2.0

Aurora lite



Real-time accessible
2,048 x 2,048 resolution @ 150fps
2,048 x 1,024 resolution @ 300fps
 $\Delta 15^{\circ}\text{C}$ TEC Cooling
Available in Color / Mono / NIR
Camera Link or GigE Interface



Real-time accessible
10,000 x 7,000 resolution @ 3fps
Hot Pixel Removal, White Balancing
Active Image Uniformity
Available in Color / Mono
Camera Link or GigE Interface



Crystal clear images

Stunning high frame-rate

Extra high definition

Long-lasting performance

Real-time accessible video

Example applications:

Solar panel quality assurance **Cellular biology studies**
PCB inspection **Key zone surveillance**
Super resolution microscopy **Adaptive optics**
High content screening **Flow cytometry**
Machine vision **Biochip reading**
TV / Broadcasting



PHO IMAGING



Solar module quality assurance



Cell biology studies



PCB inspection



Surveillance

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Camera Link interface: An industrially proven standard for high speed image data transmission. GigE version is also available.



Capturing the moment - ORIA is capable of capturing at 0.32ms of shutter speed, while shooting 150 frames per second. All images are streamed in real-time to a host PC for application-specific processing.

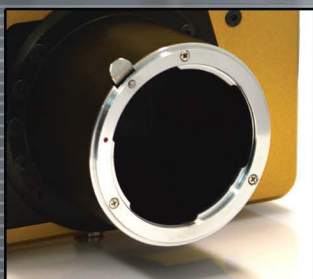
ORIA Imaging System 2.0 is our flagship product, which integrates the latest technology in active cooling and the advanced image processing techniques. The resulting imaging quality by ORIA is always stunning. The image quality not only is good enough for scientific research, but also satisfies a range of high-end filming requirement such as TV broadcasting and commercial advertisement production. A NIR model is available to deliver the sharpest image at low-night condition. ORIA is a high performance, high-definition and high-speed imaging tool for a wide range of applications. ORIA is 4.2 mega-pixel and ORIA lite is 2.1 mega-pixel.



Aurora lite



External trigger - Support multiple device, synced video/image grabbing, time-elapsd imaging.



Standard F-mount - Versatile lens mount for a range of top-notched lens.



Aurora lite is one of the highest resolution cameras in the world! This advanced camera is capable of outputting crystal clear high-resolution images at 3 frames per second. In the core of this camera features a range of image processing techniques including hot pixel removal, auto white balancing, as well as active image uniformity. On top of these features, this camera is available in versatile interface: the industrial standard Camera Link and the GigE Vision. A specially designed 5-point tripod mount enables camera mounting in high-vibration and dynamic applications. Both color and mono models are available. A water-proof version for use in extreme condition is also available.

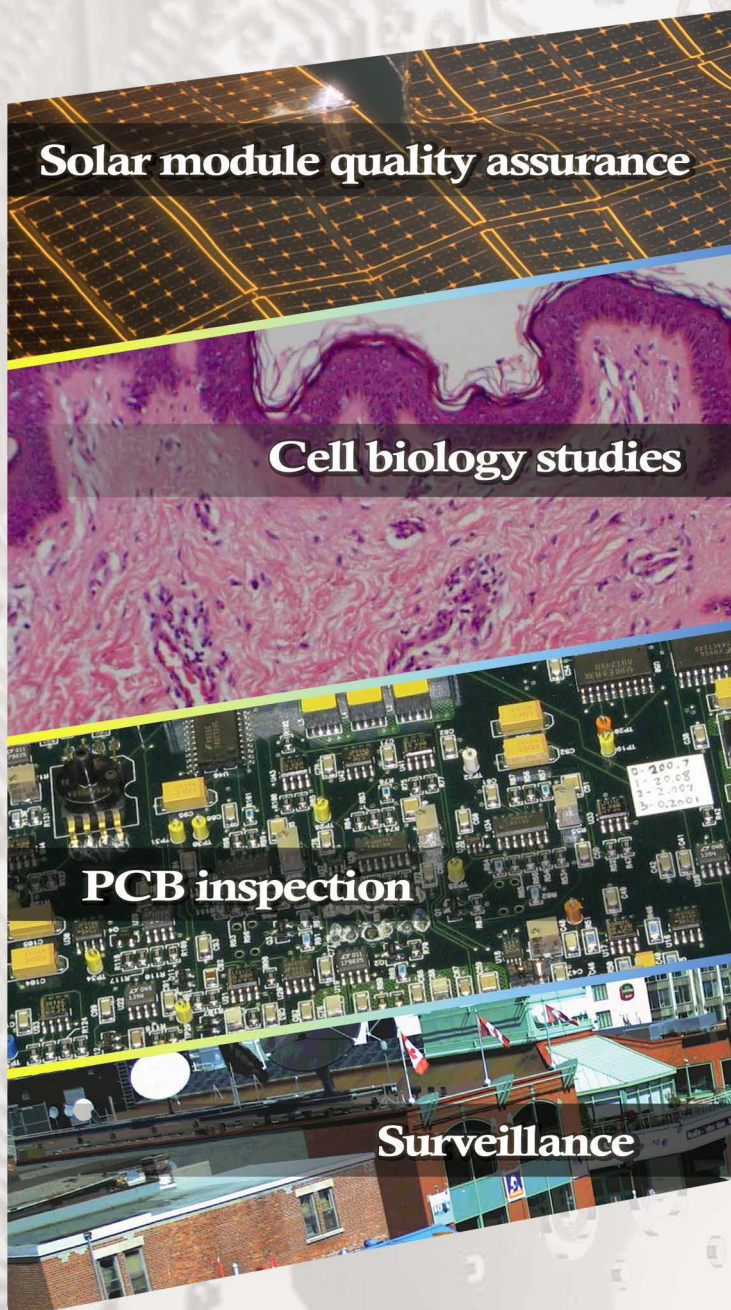
Model in picture:
AURORA-L-CL-C
(Lens is optional)

Aurora lite



A sample image taken by Aurora lite





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PRODUCT LIST



ORIA

IMAGING SYSTEM 2.0

ORIA 2.0 Imaging System

- ORIA-2-CL-C: 4.2MP@15ofps, Color, Camera Link
 - ORIA-2-CL-M: 4.2MP@15ofps, Mono, Camera Link
 - ORIA-2-CL-N: 4.2MP@15ofps, NIR, Camera Link
 - ORIA-2-GE-C: 4.2MP@15ofps, Color, GigE Vision
 - ORIA-2-GE-M: 4.2MP@15ofps, Mono, GigE Vision
 - ORIA-2-GE-N: 4.2MP@15ofps, NIR, GigE Vision
 - ORIA-2-CL-C-lite: 2.1MP@30ofps, Color, Camera Link
 - ORIA-2-CL-M-lite: 2.1MP@30ofps, Mono, Camera Link
 - ORIA-2-CL-N-lite: 2.1MP@30ofps, NIR, Camera Link
 - ORIA-2-GE-C-lite: 2.1MP@30ofps, Color, GigE Vision
 - ORIA-2-GE-M-lite: 2.1MP@30ofps, Mono, GigE Vision
 - ORIA-2-GE-N-lite: 2.1MP@30ofps, NIR, GigE Vision
- Remarks: Append "-S" in product code to add a standard Camera Control Unit (CCU) for a Camera Link model.



Aurora lite

AURORA Lite

- AURORA-CL-C-lite: 70MP@3fps, Color, Camera Link
 - AURORA-CL-M-lite: 70MP@3fps, Mono, Camera Link
 - AURORA-GE-C-lite: 70MP@3fps, Color, GigE Vision
 - AURORA-GE-M-lite: 70MP@3fps, Mono, GigE Vision
- Remarks: Append "-S" in product code to add a standard Camera Control Unit (CCU) for a Camera Link model.