

MEDIA ADVISORY

November 2, 2023

Excelitas Technologies to Showcase X-Cite Fluorescence Illumination and PCO Camera Technologies at SfN Neuroscience 2023

Leading Industrial Technology Manufacturer Marks Two Decades of Fluorescence Illumination Excellence with its X-Cite Product Portfolio

WHO: [Excelitas Technologies® Corp.](#), a leading industrial technology manufacturer focused on delivering innovative, market-driven photonic solutions, will highlight its wide range of X-Cite® fluorescence illumination and PCO® camera solutions at [SfN Neuroscience 2023](#). During the event, Excelitas will also celebrate its 20-year anniversary of the X-Cite brand. Offering a variety of Lamp and LED light sources for fluorescence microscopy applications, X-Cite has grown to be the industry standard in fluorescence illumination.

WHAT: Staff will be on-site at Excelitas Booth # 1716 to present live demonstrations and display featured products including:

- [New X-Cite XYLIS™ II Broad Spectrum LED Illumination System](#): A replacement for the current X-Cite XYLIS, XYLIS II offers several improvements, including significantly quieter operation and increased optical output, with the broadest spectrum available in a white light LED for fluorescence microscopy applications. Rivaling traditional arc lamps for brightness, XYLIS II is ideal for both compound and stereomicroscopes. It incorporates Excelitas' patented, award-winning LaserLED Hybrid Drive® technology to overcome the LED green gap from the 540 nm to 590 nm region of the spectrum, where LED-only systems are significantly challenged.
- [pco.edge 10 bi LT CLHS sCMOS Camera](#): With a back-illuminated image sensor, the next-level pco.edge 10 bi LT sCMOS camera provides a quantum efficiency of up to 85% with a broad spectrum extending to NIR. The sensor incorporates microlenses and a deep-trench isolation for crosstalk suppression resulting in an excellent MTF. Furthermore, the camera features new imaging performance and provides a large image circle by using a high-resolution 10.4 MPixel image sensor with a square pixel size of 4.6 µm.
- [X-Cite NOVEM™ 9-Channel LED Illumination System](#): As Excelitas' next-generation LED light source, X-Cite NOVEM delivers the brightest and most powerful LED illuminator ever. The nine-wavelength, fast-switching system includes spectral coverage from Fura-2 all the way to IR800. X-Cite NOVEM incorporates Excelitas' patented LaserLED Hybrid Drive to effortlessly fill the green gap in the challenging 500 nm to 600 nm range. It also features high excitation power for fluorescence applications across the UV-visible-NIR spectrum.
- [pco.pixelfly™ 1.3 SWIR Camera](#): The high-performance pco.pixelfly 1.3 SWIR machine vision camera features a special InGaAs image that is sensitive in the



shortwave infrared, near infrared and visible range of the electromagnetic spectrum. As a result, the pco.pixelfly 1.3 SWIR shows a favorably high sensitivity in the whole spectral range with more than 90% in the shortwave infrared part. The small pixels enable the use of small magnification optics in microscopy and a low dark current allows for even longer exposure times.

WHEN: November 12 - 15, 2023

WHERE: Walter E. Washington Convention Center, Washington, DC
Excelitas Booth # 1716

###

About Excelitas Technologies

Excelitas Technologies® Corp. is a leading industrial technology manufacturer focused on delivering innovative, market-driven photonic solutions to meet the illumination, optical, optronic, sensing, detection and imaging needs of our OEM and end-user customers. Serving a vast array of applications across biomedical, scientific, semiconductor, industrial manufacturing, safety, security, consumer products, defense and aerospace sectors, Excelitas stands committed to enabling our customers' success in their many various end-markets. Our team consists of more than 7,500 professionals working across North America, Europe and Asia, to serve customers worldwide.

Connect with Excelitas on [Facebook](#), [LinkedIn](#), [Twitter](#) and [Instagram](#), or visit www.excelitas.com for more information.

Excelitas®, Excelitas Technologies®, X-Cite®, PCO® and LaserLED Hybrid Drive® are registered trademarks, XYLIS™, NOVEM™ and pco.pixelfly™ are trademarks of Excelitas Technologies Corp. All other products and services are either trademarks or registered trademarks of their respective owners.

Contacts:

Scott Orr
Senior Director of Global Marketing - Commercial
scott.orr@excelitas.com
+1 (781) 996-5925

Cheryl Reynhout or Jill Anderson
On Behalf of Excelitas Technologies Corp.
SVM Public Relations
excelitas@svmmarcom.com
+1 (401) 490-9700