



## Excelitas Technologies Introduces New X-Cite® Vitae™ vIR

*Customizable, multi-wavelength illumination system for endoscopy and surgical visualization applications*



**WALTHAM, Mass., D, 2016** – [Excelitas Technologies® Corp.](#), a global technology leader focused on delivering innovative, customized photonic solutions, adds [X-Cite® Vitae™ vIR](#) to its popular X-Cite fluorescence illuminator product line. X-Cite Vitae vIR is a customizable, multi-wavelength illumination system designed for high precision medical illumination and diagnostic applications.

The X-Cite Vitae vIR provides versatile, high-performance illumination for color-sensitive applications, including surgical endoscopy. Designed to replace traditional 180W or 300W xenon sources, this high brightness, solid-state white light source features adjustable color temperature and repeatable output in an easily-integrative turnkey system. X-Cite Vitae vIR offers a unique capability to shape the spectrum in accordance with the camera being used to obtain the desired color temperature in an image for accurate diagnosis.

With up to six high-power wavelengths (400-410nm, 450-460nm, 500-600nm, 625-640nm, and 780-790nm), ranging from visible to IR, the X-Cite Vitae vIR offers maximum flexibility for fluorescence excitation in applications such as endoscopy and surgical visualization. Wavelengths can be customized according to application, and controlled in any combination or individually; it has a tunable correlated color temperature (CCT) for RGB white configuration, and spectral shaping for high color rendering index (CRI). The system can be tailored with feedback sensors to monitor output wavelength.

Multiple control options include manual on/off and intensity control, with 1% increments for each color; USB control, RS232 control and I/O connectivity. TTL input is available for on/off control with 2.4V-5V TTL compatibility. Analog I/O intensity control is also available. Footprint, controls, wavelength, and spectrum can all be customized to suit a customer's particular device design and application requirements.

“The new X-Cite Vitae vIR product is offered as part of Excelitas’ initiative to expand its X-Cite product line availability for OEMs,” said Oliver Scheuss, Vice President of Solid State Lighting and UV/Microscopy, Excelitas. “Its advanced engineering will help take medical illumination to the next level, enabling more accurate and reliable diagnostics.”

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### **About Excelitas Technologies**

Excelitas Technologies Corp. is a global technology leader focused on delivering innovative, high-performance, market-driven photonic solutions to meet the lighting, detection and other technology






needs of global customers. From biomedical technology to research laboratory, safety and security, consumer, semiconductor, industrial, energy and environment, as well as defense and aerospace applications, Excelitas Technologies is committed to enabling our customers' success in their end-markets. Excelitas Technologies has approximately 5,500 employees in North America, Europe and Asia, serving customers across the world. Connect with Excelitas on [Facebook](#), [LinkedIn](#) and [Twitter](#).

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