



Excelitas Technologies Introduces CheetIR-Cub Mid-Wave Infrared (MWIR) Thermal Imaging Camera

New Medium-Range Camera Designed for SWaP-C



WALTHAM, Mass., October 12, 2021 – [Excelitas Technologies® Corp.](#), a leading industrial technology manufacturer focused on delivering innovative, market-driven photonic solutions, announces a new medium-range, MWIR thermal imaging camera, [CheetIR-Cub](#). It is designed to meet the challenges of balancing size, weight, power and cost (SWaP-C), combining a 10um VGA format (640x512) HOT detector with a long-life linear cooler, the proven CheetIR common continuous zoom optical module, and a 200mm focal length objective.

CheetIR-Cub's compact size and weight makes it suitable for applications where constraints exist, such as retro-fitting existing sighting systems, or for mobile surveillance applications where low size and mass are key. CheetIR-Cub weighs less than 4kg. It features low-power electronics and a linear cooling engine, with steady state power less than 5W, making it ideal for applications with limited available power draw such as portable surveillance platforms, where the silent operation characteristic of the linear cooler is also advantageous. Finally, CheetIR-Cub is packaged at a highly competitive initial cost, plus lower life-cycle costs enabled by its long-life detector that provides 30,000 hours Mean Time Between Failure (MTBF).

Graham Evans, Excelitas' Product Director, said, "We are delighted to have begun delivering the new CheetIR-Cub camera, and its versatility is evidenced by early orders. One new customer will use the CheetIR-Cub on a naval platform as part of an Electro Optic sensor suite. Another will use it for portable surveillance systems. Excelitas will continue to deliver units from these initial orders well into 2022."

The CheetIR family of cameras all share the same common continuous zoom optical module, designed and manufactured by Excelitas in the UK. All cameras are ITAR free and utilize High Operating Temperature (HOT) 10um pixel technology. The result is a range of cameras that provides solutions for applications ranging from Counter-UAS and naval fire control to fixed and mobile surveillance platforms.

For additional information, please visit Excelitas' [AUSA 2021](#) booth 2367, or <https://www.excelitas.com/product/cheetir-cub-compact-standard-definition-mwir-camera>.

###

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, imaging, sensing and detection 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 7,000 professionals working across North America, Europe and Asia, to serve customers worldwide.

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

Excelitas® and Excelitas Technologies® are registered trademarks of Excelitas Technologies Corp. All other products and services are either trademarks or registered trademarks of their respective owners.

Contacts:

Craig Taylor
Defense & Aerospace Marketing Manager
craig.taylor@excelitas.com
+44 1745 588002

Sunie Davis
Defense & Aerospace, Executive Assistant
sunie.davis@excelitas.com
+1 937-353-2268

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