



Excelitas Technologies Introduces RaptIR Family of High-Definition, Long Range, MWIR Thermal Cameras

Latest High-Definition Thermal Imaging Improves Target Detection, Recognition and Identification for Air, Land and Sea Applications



WALTHAM, Mass., June 14, 2022 – [Excelitas Technologies® Corp.](https://www.excelitas.com), a leading industrial technology manufacturer focused on delivering innovative, market-driven photonic solutions, today announced the new [RaptIR](#) family of high-definition, long range, medium wave infrared (MWIR) thermal cameras. Optimized for the latest generation of small pixel (8 μm) sensor technology using best in class continuous zoom optics, RaptIR provides exquisite thermal imaging capability to offer long range performance in a very compact form factor for a variety of civil and military applications.

As the latest addition to Excelitas' range of medium range thermal cameras covering the MWIR waveband, RaptIR allows quicker target detection, recognition and identification for more timely, informed decision making, whether that be for Counter-UAS (C-UAS), border surveillance or maritime fire-control. RaptIR features and benefits include:

- High aperture optics provide increased image clarity and signal to noise ratio
- Small pixel (8 μm) sensor technology offering a 25% increase in range performance
- Narrow field of view options to provide more pixels on target at longer range
- Ultra-fast 14x continuous zoom for seamless target acquisition and identification
- Linear cooler enabling near silent operation and over 27,000 hours MTBF
- Low SWaP camera reducing the burden for platform integration.

“Excelitas has a proven pedigree in designing and manufacturing high performance optical modules and cameras for demanding surveillance, targeting, naval and C-UAS applications, which is why we are so pleased to add the new MWIR thermal camera family to our product line,” said Graham Evans, Product Director at Excelitas. “RaptIR provides system integrators and end users great flexibility within a compact space envelope to best meet their performance and budget requirements – delivering high-end performance that competes with larger, more expensive solutions for a variety of applications.”

For more information about RaptIR, please visit: <https://www.excelitas.com/product/raptir-high-definition-mwir-camera> or [Eurosatory](#) Stand # C788, June 13 – 17, 2022 in Paris, France.

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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.

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