# Dossier: SK Infrared LLC

## SBIR Award Details

**Award Title:** N/A

**Amount:** $140,000.00

**Award Date:** 2023-12-04

**Branch:** NAVY

## AI-Generated Intelligence Summary

**Company Overview:**

SK Infrared LLC, based in Southern California, specializes in the design, development, and manufacturing of advanced infrared (IR) camera systems and components for a variety of applications, including thermography, security, surveillance, industrial inspection, and aerospace & defense. Their core mission centers around providing high-performance, cost-effective IR solutions, often customized to meet specific customer needs. They aim to solve the problem of limited access to sophisticated IR imaging technology by offering both off-the-shelf and highly configurable camera systems with competitive pricing and integration support. Their unique value proposition lies in their ability to deliver customizable, high-resolution uncooled IR camera technology with advanced image processing capabilities tailored for demanding applications in commercial, industrial, and defense settings.

**Technology Focus:**

* Develops and manufactures uncooled microbolometer IR camera cores and complete camera systems operating primarily in the Long-Wave Infrared (LWIR) spectrum (8-14 μm).
* Offers cameras with varying resolutions (e.g., 320x240, 640x480) and frame rates, featuring advanced image processing algorithms for enhanced image clarity, noise reduction, and scene detail.

**Recent Developments & Traction:**

* January 3, 2023: SK Infrared announced the launch of its high-resolution SWIR camera, expanding its product offering into the Short-Wave Infrared spectrum.
* September 2021: SK Infrared secured a Phase I Small Business Innovation Research (SBIR) contract from the Department of Defense for developing advanced IR imaging technologies.
* May 2021: Expanded its manufacturing capabilities to increase production capacity of its uncooled infrared camera cores.

**Leadership & Team:**

* (Publicly available information is limited. No specific names found through web search). Due to limited online information, identifying key leaders and their experience is not possible.

**Competitive Landscape:**

* FLIR Systems (Teledyne FLIR): SK Infrared differentiates itself through its emphasis on customizable solutions and potentially more competitive pricing, targeting niche applications where FLIR's broad product portfolio might be less focused.
* Lynred: Differentiates by focusing on uncooled microbolometer technology rather than more expensive cooled alternatives, emphasizing customizability and affordability.

**Sources:**

1. [https://www.skinfrd.com/](https://www.skinfrd.com/)

2. [https://www.sensorsmag.com/components/sk-infrared-introduces-new-low-cost-uncooled-ir-camera](https://www.sensorsmag.com/components/sk-infrared-introduces-new-low-cost-uncooled-ir-camera)

3. [https://www.einnews.com/pr\_news/609478804/sk-infrared-announces-high-resolution-swir-camera](https://www.einnews.com/pr\_news/609478804/sk-infrared-announces-high-resolution-swir-camera)