



Company Profile

Over 40 years of Field-Proven Infrared Technologies for Global Defense.

SCD is a defense deep-tech leader in infrared (IR) sensing technologies, with nearly five decades of experience and hundreds of thousands of IR sensors deployed in the field, serving defense programs worldwide.

Vertically integrated, we design and manufacture high-performance IR detectors for mission-critical defense applications across air, land, naval, and space.



SCD At a Glance

No.1*

market share in defense applications across IR bands

46% SWIR
24% MWIR
8% LWIR

10%+

CAGR over five years of consistent YoY growth

In-house IR semiconductor FAB & production facilities

650+
employees

Supporting OEMs and defense integrators across the full IR spectrum

Over **33,000** sqft of clean rooms

First to See Is Who We Are

SCD's reputation is built on more than just innovation. We're ranked as the #1 global supplier of MWIR and SWIR cooled detectors, dominating the field in both sales volume and technological advancement.

Our detectors are field-proven, rigorously tested, and widely adopted across continents. Whether integrated into airborne targeting pods, naval situational awareness systems, or ground-based surveillance platforms, SCD detectors are trusted in the most demanding defense environments.

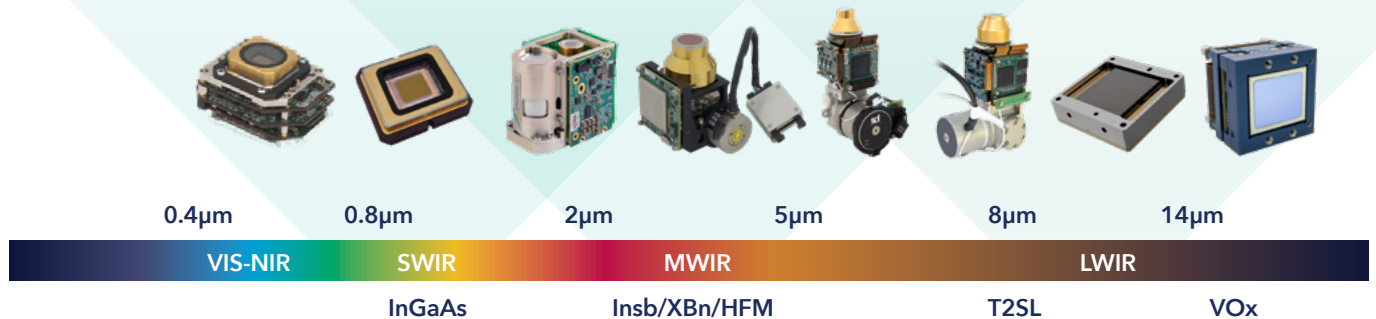
Deployed across a wide spectrum of mission-critical applications, our IR solutions include cooled and uncooled detectors for missile seekers, advanced payloads spanning airborne, land, and naval domains. Our SWIR and MWIR solutions are optimized for border control, coastal monitoring, and persistence surveillance, while our compact, full-spectrum detectors are ideal for handheld systems and mobile tactical operations.

From situational awareness to threat detection, from man-portable to space, we support defense OEM's with precision and adaptability - wherever the mission leads, enabling our customers to be 'First to see,' through all mission challenges.

*According to Maxtech

What We Offer

Infrared solutions across the full IR spectrum



Why SCD?

Engineered for Partnership

We're a trusted partner in systems where failure isn't an option, where reliability is non-negotiable and performance can define mission success. Our detectors are embedded in the heart of some of the most advanced and sensitive defense systems in the world, and they're built to perform, without compromise. Our partners count on us for our leading innovative and advanced solutions, as well as:

- **Field-Proven**
IR technologies integrated and operational in strategic defense systems worldwide
- **Fully Vertical Back Integrated**
production for complete quality and schedule control
- **Decades of Global Expertise**
in deep-tech IR innovation that keep you Always a Step Ahead
- **Flexible Collaboration Models**
tailored to OEM and government partner needs, delivering Always What You Need
- **Comprehensive Support**
through integration, operation, and lifecycle maintenance, with SCD Always by Your Side

Mission-Aligned, Globally Trusted

SCD detectors play a central role in the performance of advanced defense platforms across dozens of militaries, including key strategic systems. Our long-term partnerships with defense OEMs reflect our commitment to mission-critical performance, technical excellence, and trusted supply.

Whether your system needs SWIR vision through smoke, MWIR performance at range, or compact LWIR detection-SCD delivers.

