



Semi-Conductor Devices (SCD)

Line of Business

IR Detectors & Laser Diodes

Established

1986

Leading Executives

Mr. Baruch Glick
President

Mr. Yirmi Katz
VP Marketing

Semi-Conductor Devices (SCD) designs, develops and manufactures a full spectrum of infrared detectors and laser diodes. The company's advanced concepts and cutting-edge technologies have positioned it as one of the world's leading suppliers in its sector.

Products and Services

InSb - Indium Antimonide for 3-5 μm Spectrum

320 x 256, 640 x 512 and 1280 x 1024 matrix arrays with digital CMOS Readout.

MCT - Mercury Cadmium Telluride for 8-12 μm Spectrum

288 x 4, 480 x 6 TDI Photovoltaic linear arrays



Contact:

**Semi-Conductor
Devices (SCD)**

P.O.Box 2250

Haifa 31021, Israel

Tel: 972-4-9902535, 9902500

Fax: 972-4-9902627, 9902686

marketing@scd.co.il

www.scd.co.il

VOx - Vanadium Oxide for 8-12 μm Spectrum - Uncooled

384 x 288 and 640 x 480 microbolometers with 25 μm and 17 μm pitch.

InGaAs - Indium Gallium Arsenic for 0.4-1.7 μm
640 x 512, 15 micron pitch with special additional features.

High Power Laser Diodes

- QCW bars and stacks up to 1000 W peak power
- CW bars and stacks. Passive and active cooling.
- FCLD - Fiber coupled Laser diode 50w CW out of 100 micron fiber 9XX and 8XX Nano meter wavelength.

Brief History

SCD has accumulated more than two decades of know-how and expertise and produced tens of thousands of detectors. The company's broad range of capabilities provides a decisive edge in being able to supply affordable, reliable solutions to precise demands, within very short time frames.

Other Important Information

Typical Applications

- IR seekers
- Thermal Imagers
- Smart munitions
- Night navigation systems
- Laser rangefinders
- Laser designators

Close Customer Relations

The close relationship between SCD and well-established systems houses such as Rafael, Israel Aircraft Industries, Elbit and Elop ensures that SCD's detectors are specified and produced in accordance with the latest military requirements.

R&D Activities

The continuous feedback from the Israel Defense Forces lays the ground for new R&D activities to meet future battlefield demands.

Custom-Designed

SCD offers a complete range of off-the-shelf and custom-designed detectors in various configurations.

Total in-house design, development and advanced manufacturing capabilities assure quick response and give SCD full control over its products from start to finish.

Seeking

Strategic partner; Major customers.