Product Range

IR-Modules
Thermal Sights and
Engines
Cryocoolers

AIM products are in service with the armed forces of various NATO countries.
They are also used in homeland security, R & D, industrial processes and environmental protection.

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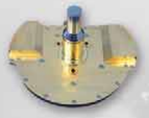
Advanced IR-Solutions

Excellence, Innovation & Quality



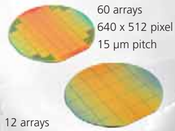
AIM develops and manufactures IR-detectors and cyrocoolers for missile seekers as well as targeting or pilotage sights in most renowned ground based, ship-, air- and spaceborne applications. Beyond components and modules AIM has conquered a niche for thermal sights and day/night fire control systems for small arms and crew served weapons with a large engagement range.

We are certified according to DIN EN ISO 9001 :2008
and DIN EN ISO 14001:2004 + Cor 1:2009
2015: ISO 27001:2013

Cutting Edge Technologies

MCT by MBE on GaAs

MWIR + LWIR



60 arrays
640 x 512 pixel
15 µm pitch

12 arrays
1280 x 1024 pixel
15 µm pitch

MWIR HD

- 1280 x1024, 15 µm pitch
- 0.18% def. pixel @ 95K
- 20mK NETD @ 95K

- 15µm-pitch 640 x 512 HOT MW/LW
- 10µm-pitch 1024 x 768 FPAs
- Dual Colour
- Dual Band
- VLWIR (λ > 15µm)
- SWIR (1 < λ < 2.5µm)
- Hyperspectral Imaging
- LIDAR
- Gated Viewing

SWaP

640 x 512 MWIR 15µm

Today: 140K

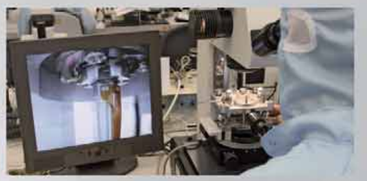
Soon: 180K

- 640 x 512 @ 3W
- 1280 x 1024 @ 6W
- Low noise long life linear coolers
- High performance SWaP imaging with 5µm cut-off @ 140K

Highest Production & Quality Control Standards

We are a team of 300 qualified professionals with more than 30 years of production experience dedicated to outstanding product performance and customer satisfaction at competitive pricing.
Our production facilities include 1,200 m² clean room.

From Crystal Growth
to Thermal Sights -
All Processes under One Roof



- Crystal Growth
- Liquid Phase and Molecular Beam Epitaxy
- Photovoltaic Array Technology
- ROIC-Design
- Hybridisation
- Dewar and Integration Technology
- Cryocooler Technologies
- PCB-Design and Integration
- Image Processing Technologies
- Fire Control Systems for Small Arms