

INFRARED IMAGING TECHNOLOGIES SUPPLIER

MCT SOFRADIR SCORPIO

1.5µm,
640x512 - VGA, MWIR
F/2 and F/4 Cold shield available
RM3 Cooler

FRAME RATE

Up to 120Hz

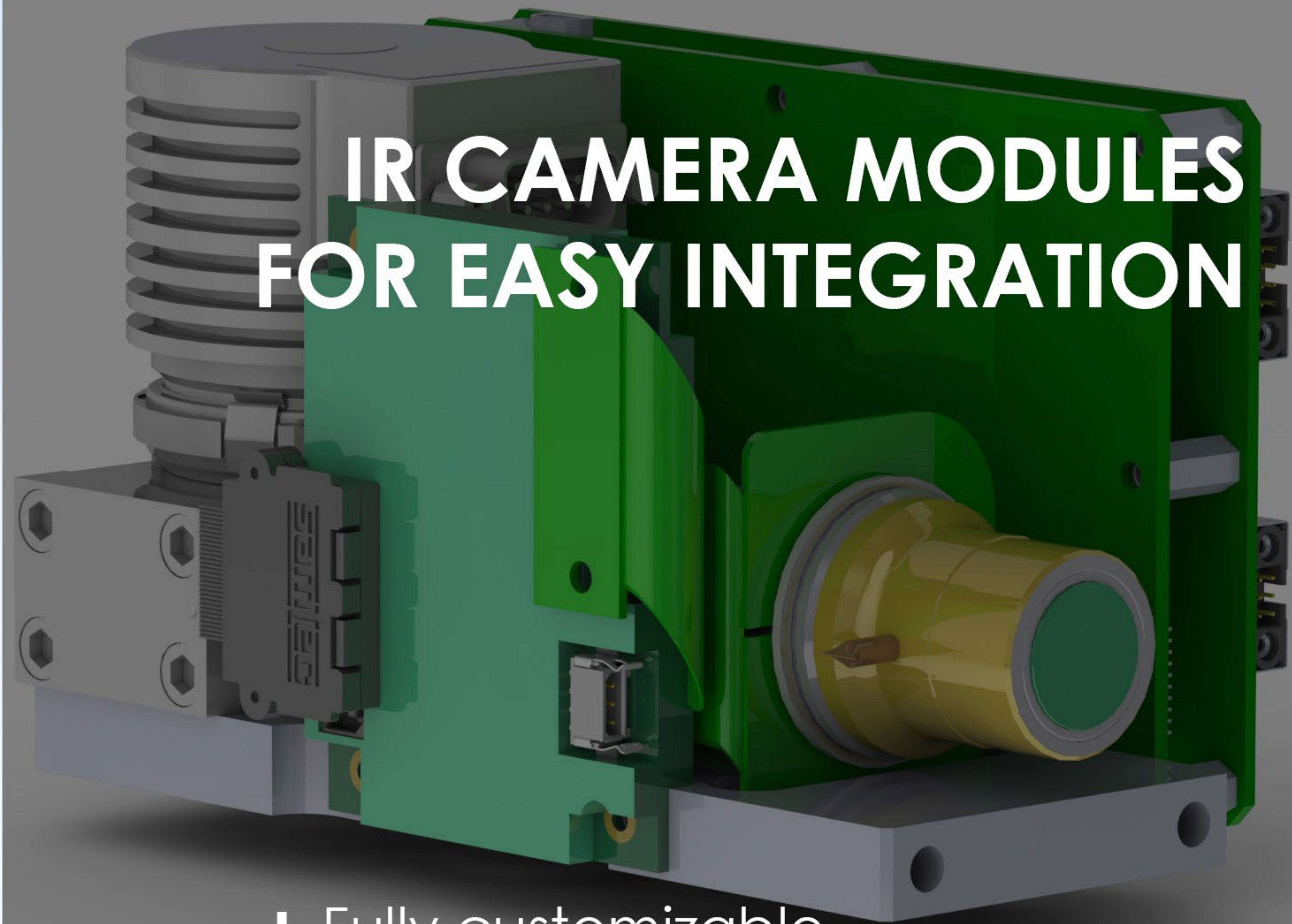
DATA OUTPUT

14 bits digital
GigE or USB3.0 or CameraLink

COMPOSITE VIDEO

PAL or NTSC (Factory settings)

IR CAMERA MODULES FOR EASY INTEGRATION



- + Fully customizable
- + Advanced Image Processing
- + Remote control GUI (Windows)

Thermal imaging Technologies & custom solutions for integrators

This **MWIR cooled** module provide a **high infrared image quality** with more details. It can be **easily integrated** in a compact thermal imaging core for different applications, such as border security and surveillance, industrial and gas detection.

The IRS-901-OEM modules is **the relevant choice for OEM partners** to reduce their time to market.

IRS-901-OEM 640x512

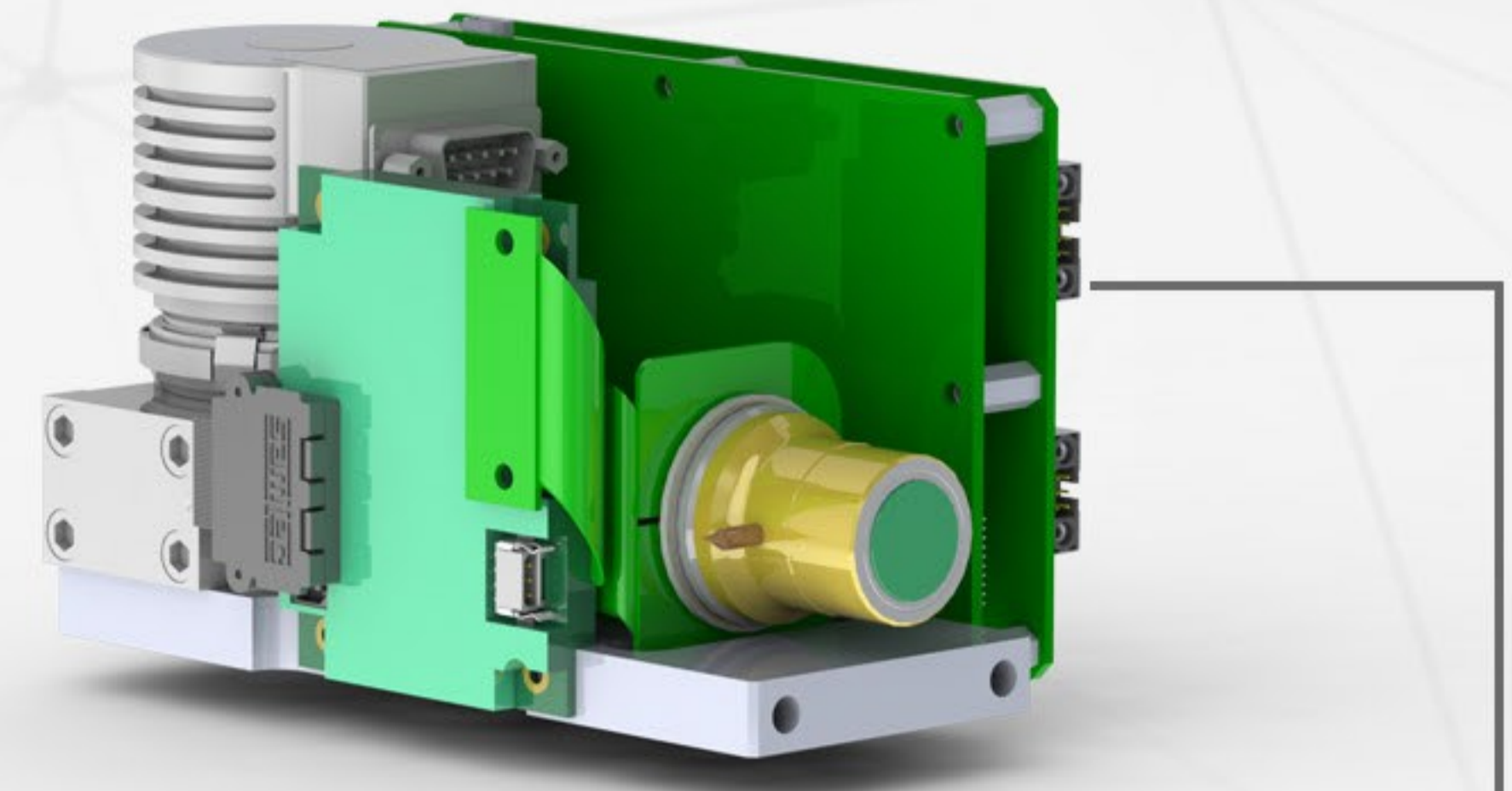
MWIR Cooled module

Key Features

- 14 Bits Digital (GigE or USB 3.0 or CameraLink)
- Analog (PAL or NTSC)
- Integrated Stirling cooler with current protection
- Full programmable software capability

Applications

- Security and Surveillance
- Industrial
- Gas detection
- Scientific & Medical
- Non Destructive Testing
- Research & Development



Technical Specifications

GUI (Windows):	IreneView GigE/USB3.0/CameraLink
Remote Control:	RS232 with IreneCom & IreneAgent
Cooling time:	<9 mins @23°C typical
Functions:	<ul style="list-style-type: none"> - Windowing/Image Flip - Bad Pixels Replacement - NUC 1 or 2 points (8 tables) - AGC, Enhancement & Sharpening Details - Black & white, false color
Dimensions:	145 X 90 X 85 mm (L x W x H)
Weight:	< 2kg
Operating Temp.:	-40°C to +70°C
Detector:	MCT SOFRADIR Scorpio
Resolution - Pitch:	640 x 512 Pixels - 15µm
Cold Shield F#	F/2 , F/4
Spectral response:	3.7 to 4.8µm (MWIR)
NETD:	<25mK @ 27°C typical
Cooler:	Thales RM3
Frame rate:	Up to 120 Hz full frame by 1 Hz step
Integration time:	1µs to 100ms by 1µs step
Power supply:	24 V (DC) / 2.5 A
Power consumption:	<20W, <35W cool down