

INFRARED IMAGING TECHNOLOGIES EXPERTS

RESOLUTION

1280 x 1024 Pixels
10 µm pitch
Insb, SCD Blackbird SXGA

FRAME RATE

Up to 57Hz

DATA OUTPUT

14 bits Digital
(GigE or USB3.0 or CameraLink)

VIDEO OUTPUT

HDMI 1.3

ADVANCED PROFESSIONAL IR & THERMOGRAPHY

- + Easy integration
- + Fully customizable
- + Different Filter treatment
- + Universal Usage

Thermal imaging Technologies & custom solutions for integrators

IDA ENGINEERING proved his expertise in design of complex electronic architectures based on **INTEL FPGA** and embedded software on **TEXAS INSTRUMENTS DSP** (Digital Signal Processors).

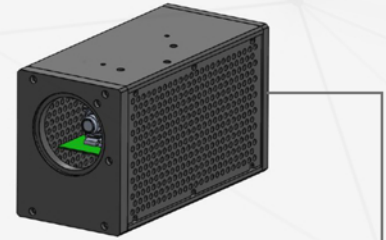
IRS-802 1280x1024 MWIR Infrared Cameras

Key Features

- 14 Bits Digital (GigE or USB 3.0 or CameraLink)
- HDMI 1.3
- Integrated Stirling cooler with current protection
- Full programmable software capability

Applications

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



Technical Specifications

GUI (Windows):	IreneView GigE/USB3.0
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 (4 tables) - AGC, Enhancement & Sharpening Details - Overlay, Reticle, false color
Dimensions:	129 X 163 X 274.5 mm (L x W x H)
Weight:	< 5.8kg
Operating Temp.:	-40°C to +70°C
Detector:	SCD Blackbird SXGA
Resolution - Pitch:	1280 x 1024 Pixels - 10µm
Cold Shield F#	F/3 (Other options available)
Spectral response:	3.6 to 4.9µm (MWIR)
NETD:	<25mK @ 27°C typical
Frame rate:	Up to 57 Hz full frame by 1Hz step
Integration time:	1µs to 100ms by 1µs step
Power supply:	24 V (DC) / 2.5 A
Power consumption:	<20W, <35W cool down
External Trigger:	TTL (0-5V)