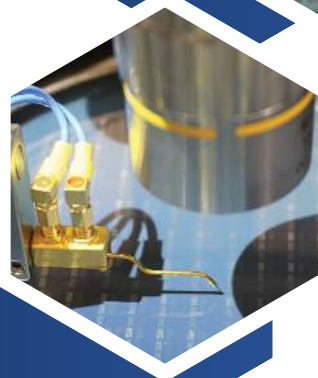


HiPe
Sens

It makes SenSe!



HiPe Sens

High Performance Air-Cooled SWIR camera

Low Dark current for Long exposure applications
640 x 512 Pixels Resolution 15 μ m Pitch
SWIR Imaging from 0.9 to 1.7 μ m



NiT

New Imaging Technologies

www.new-imaging-technologies.com



► Key Features

- ❑ TEC & fan aircooled
- ❑ Long exposure time
- ❑ High QE InGaAs from 900nm to 1700nm
- ❑ VGA resolution , 640x512 effective pixels
- ❑ Bad Pixels Replacement and Non Uniformity Correction
- ❑ USB3.0 & CameraLink interface

► Applications

- ❑ Medical & Life Science
- ❑ Metrology (microscopy, hyperspectral)
- ❑ Process control (industry, semiconductors, food, ...)
- ❑ Surveillance
- ❑ Photon counting

Imagine yours...

► Technical Specifications

Sensor	NSC1902T-SI	Sensor Noise	<40e ⁻
Material	InGaAs	Dark current Value	<1500 e ⁻ /pixels/s @-20°C
Resolution	640 x 512 pixels	Operating Mode	TEC2 + Fan aircooled
Pixel size	15 µm x 15 µm	Cooling capacity	Δ50°C
Spectral response	0.9 to 1.7 µm	Trigger	IN/OUT (LVTTTL)
Response	Linear, 3 gain levels	Trigger delay	Adjustable
Modes	IWR/ITR, CDS, ROI	Dimensions	46 x 57 x 112 mm
QE	>85% (90% typical)	Weight	<350g
Output	USB3.0 & CameraLink	Lens mount	C-Mount native
Frame rate	up to 230fps full frame	Power Supply	12V
Partial Reading Mode	down to 16x16	GUI	WiDyVISION, WiDyCAM
Integration Time	10µs to 112 sec	SDK	USB Windows & Linux MicroManager adapter

Products and specifications are subject to change without notice.

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