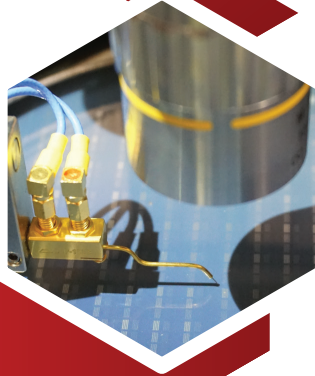


NEW RELEASE



SenS 1280

High Sensitivity SWIR camera

1280x1024 Pixels Resolution 10 μ m Pitch

Near Infrared Imaging up to 1700nm

Read-out noise 30e-



niT

New Imaging Technologies

www.new-imaging-technologies.com

▶ Key Features

- ☐ Linear response mode: High sensitivity
- ☐ High QE InGaAs from 900nm to 1700nm
- ☐ SXGA resolution , 1280*1024 pixels
- ☐ Bad Pixels Replacement and Non Uniformity Correction
- ☐ USB3.0 & CamLink interface

▶ Applications

- ☐ Active Imaging
- ☐ Laser Beam profiling
- ☐ Metrology (microscopy, hyperspectral)
- ☐ Process control (industry, semiconductors, food, ...)
- ☐ Defense and security
- ☐ Airborne cameras (UAV)

Imagine yours...

▶ Technical Specifications

Sensor	NSC1901-T-SI
Material	InGaAs
Resolution	1280 x 1024 pixels
Pixel size	10 μm x 10 μm
Spectral response	0.9 to 1.7 μm
Response	Linear (CTIA) Low & High Gain
Modes	ITR, CDS, ROI
QE	>80% LG
Output	USB3.0 - CamLink
Frame rate	60Hz full frame
Partial Reading Mode	ROI Selective line scanning

Integration Time	10μs - 500ms
Trigger	Software or hardware 1x Trigger IN/OUTPUT 2x Programmable outputs
Trigger delay	Adjustable
Dimensions	58 * 58 * 70 mm
Weight	< 400 g
Lens mount	C-Mount native
Operating Temp	-40 °C to + 71 °C
GUI	NITVISION
SDK	USBWindows & Linux

Operating Modes

	CTIA High Gain	CTIA Low Gain
Sensor Noise	typ. 30e-	120e-
Well capacity	> 10Ke-	> 130Ke-
Dynamic Range	52dB	61dB

Products and specifications are subject to change without notice.