



SenS 1280

High Sensitivity SWIR camera

1280x1024 Pixels Resolution 10 μ m Pitch
Short-wave Infrared Imaging from 900nm to 1700nm
Read-out noise 30e-
USB 3.0, CameraLink



niT

NEW IMAGING TECHNOLOGIES
PREMIUM SWIR BY LYNRED

www.new-imaging-technologies.com

Technical Specifications

SenS 1280

Key features	NUC & BPR Selective line scanning Multi ROI: up to 8 vertically stacked blocks
Output	USB3.0, CamLink
Dimensions	58 x 58 x 70 mm
Weight	<400g
GUIs	NITVision
SDKs (USB & GigE)	x86-64 & Arm64 (C++, C#, Python)
Sensors	NIT's NSC1901-T-SI
Spectral response	0.9 to 1.7 μm
Sensor Material	InGaAs
Resolution	1280x1024 pixels (SXGA resolution)
Pixel size	10 μm x 10 μm
Response	Linear (CTIA) Low & High Gain
Modes	ITR, CDS, ROI
QE	>80% LG
Sensor noise	<30e-
Frame rate	up to 60Hz full frame
Partial Reading Mode	ROI Selective line scanning
Integration Time	10 μs to 500ms
Trigger (depends on models)	Software or hardware 1x Trigger IN/OUTPUT 2x Programmable outputs
Trigger delay	Adjustable
Lens mount	C-Mount native
Operating Temp	-40 $^{\circ}\text{C}$ to + 71 $^{\circ}\text{C}$

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.

Sensors
Cameras  **MADE IN FRANCE**

OEM version available on demand

by 

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