



# SenS 1920

## Full HD resolution SWIR camera

1920x1080 Pixels Resolution 8 $\mu$ m Pitch  
Near Infrared Imaging from 900nm to 1700nm  
Read-out noise 25e-  
USB 3.0



**niT**

New Imaging Technologies

[www.new-imaging-technologies.com](http://www.new-imaging-technologies.com)

# Technical Specifications

## Sens 1920

Key features	NUC & BPR Selective line scanning
Output	USB3.0
Dimensions	58 x 58 x 70 mm
Weight	<400g
GUIs	NITVision
SDKs (USB & GigE)	x86-64 & Arm64 (C++, C#, Python)
Sensors	NIT's NSC2101-T-SI
Spectral response	0.9 to 1.7 $\mu\text{m}$
Sensor Material	InGaAs
Resolution	1920x1080 pixels (2 Mpix resolution)
Pixel size	8 $\mu\text{m}$ x 8 $\mu\text{m}$
Response	Linear (CTIA) Low & High Gain
Modes	ITR, CDS, ROI
QE	>80% LG
Sensor noise	typ. 25e-
Frame rate	up to 60Hz full frame
Partial Reading Mode	ROI
Integration Time	10 $\mu\text{s}$ 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 $^{\circ}\text{C}$

Sensors  
Cameras  MADE IN  
FRANCE  
by 

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