



SenS 1920

Full HD resolution SWIR camera

1920x1080 Pixels Resolution 8 μ m Pitch
Short-wave Infrared Imaging from 900nm to 1700nm
Read-out noise 25e-
USB 3.0

Preliminary Technical Specifications

Sens 1920	
Output	USB3.0
Dimensions	58 x 58 x 70 mm
Weight	<400g
GUIs	NITVision
SDKs	x86-64 & Arm64 (C++, C#, Python)
Sensors	NIT's NSC2101-T-SI
Spectral response	0.9 to 1.7 μm
Sensor Material	InGaAs
Resolution	1920x1080 pixels (2 Mpix resolution)
Pixel size	8 μm x 8 μm
Response	Linear (CTIA) Low & High Gain
Modes	ITR, CDS, ROI
QE	>80% LG
Sensor noise	typ. 25e-
Frame rate	up to 40Hz full frame
Partial Reading Mode	ROI
Lens mount	C-Mount native

Products and specifications are subject to change without notice.

Sensors
Cameras



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