



# LiSaSWIR

## SWIR Line-scan array camera

2048x1 Pixels Resolution 7.5 $\mu$ m Pitch  
Near Infrared Imaging up to 1700nm

## ▶ Key Features

- ☒ Line-scan array
- ☒ High QE InGaAs from 900nm to 1700nm
- ☒ 2K Resolution: 2048\*1 pixels
- ☒ Bad Pixels Replacement and embedded Non Uniformity Correction
- ☒ CameraLink interface

## ▶ Applications

- ☒ Solar panel inspection
- ☒ Wafer & semiconductor inspection
- ☒ Hot Glass inspection
- ☒ Process Sorting (food, waste,...)

*Imagine yours...*

## ▶ Technical Specifications

<b>Sensor</b>	NSC1801T-SI	<b>Frame rate</b>	60kHz full frame
<b>Material</b>	InGaAs	<b>Integration Time</b>	10µs to 220ms
<b>Resolution</b>	2048 x 1pixels	<b>Trigger</b>	IN/OUT (LVTTTL-Hirose connector) IN through CC1 (CL interface)
<b>Pixel size</b>	7.5 µm x 7.5 µm	<b>Trigger delay</b>	Adjustable
<b>Spectral response</b>	0.9 to 1.7 µm	<b>Dimensions</b>	46* 46 * 65.6 mm
<b>Response</b>	Linear Low, Medium & High Gain	<b>Weight</b>	<250g
<b>Read-out noise</b>	250e- (High Gain) 450e- (Medium Gain) 4000e- (Low Gain)	<b>Lens mount</b>	C-Mount native
<b>Modes</b>	ITR, ROI	<b>Operating Temp</b>	0°C to + 65 °C
<b>QE</b>	>85%	<b>Output</b>	CameraLink
		<b>GUI</b>	NITLink

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