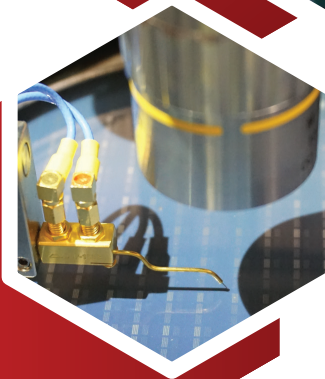




WiDy
sens

It makes SenSe!



WiDy Sens 320 HS

High Sensitivity & HDR SWIR camera

Dual mode InGaAs sensor (Lin & Log)

qVGA (320x256 px)

Near Infrared Imaging up to 1700nm

10-kHz (ROI) frame rate and 1- μ s exposure time



niT

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Technical Specifications



WiDy Sens 320 High Speed

Sensor	NSC2001T-SI
Resolution	320 x 256 pixels - 15µm pixel pitch
Frame rate	Full resolution up to 1 kHz -10-kHz (ROI) frame rate
Output	USB3.0
Gating mode	No
Dimensions	46 * 46 * 53 mm
GUIs	NITVision
Spectral response	0.9 to 1.7 µm
Sensor Material	InGaAs
Response	Linear (CTIA) Low & High Gain Logarithmic
Modes	IWR/ITR, CDS, ROI
QE	>70%
Sensor noise	50e-
Dynamic Range	120dB
Partial Reading Mode	down to 16x16
Exposure Time	minimum exposure time of 1µs
Cooling capacity	ΔT° = 30°C
Temperature control	TEC on/off Temperature selection
Trigger (depends on models)	Software or hardware 1x Trigger IN/OUTPUT 2x Programmable outputs
Trigger delay	Adjustable
Weight	< 215 g
Lens mount	C-Mount native
Operating Temp	-40 °C to + 65 °C
SDKs (USB & GigE)	x86-64 & Arm64 (C++, C#, Python)

Products and specifications are subject to change without notice.



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