

NS-615A-GE

Area Array SWIR Camera

The NS-615A-GE area array SWIR camera adopts an InGaAs detector with built-in image correction and image processing algorithms, as well as GigE image interfaces. It features low noise, digital output, and low power consumption, making it widely applicable in semiconductors, sorting, etc.



Full Window
180Hz



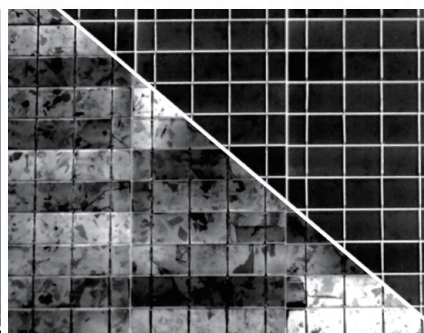
GigE
Interface



46×46×61mm
for Easy Integration



4900FPS for 16 Free
Lines from 512 Lines



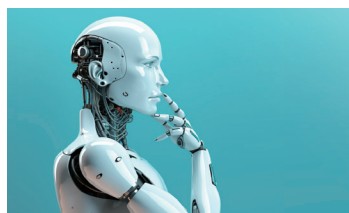
Specifications

Product Model	NS-615A-GE
Detector Type	InGaAs short-wave infrared focal plane detector
Spectral Response Range	0.9-1.7μm
Pixel Pitch	15μm
Resolution	640×512
Frame Rate	180fps
Effective Pixel Rate	≥99.8%
Integration Type	Snapshot global shutter
Exposure Time Range	0.1ms~20ms
Cooled Mode	TEC 1
Output Data Depth	14bit/12bit/10bit/8bit
Readout Noise (Typical value)	30e@Gain0
Optional Gain	3-level
Dynamic Range	67dB(HG)
Average Pixel Dark Current	≤100ke/s/pixel@ 20°C
On-board Image Processing	Non-uniformity correction, bad point correction
Power Supply Range	12V DC
Typical Power Consumption @25°C	<2.5W (close TEC)
Digital Video	GigE
Analog Video	/
Communication Interface	GigE
Optical Interface	C-Mount
Weight	150g±5g
Dimensions	46mm×46mm×61mm
Operating Case Temperature	-40°C~+60°C
Storage Case Temperature	-40°C~+85°C
Vibration	50~2000Hz, 0.01g ² /Hz, 3 axes
Shock	25g, 6ms, half-sine waveform, 3 axes/6 directions

Applications



Plastic Sorting



Vision Enhancement



Photovoltaic Inspection



Machine Vision

Company Profile

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Official Website



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