



U & U Engineering Inc.



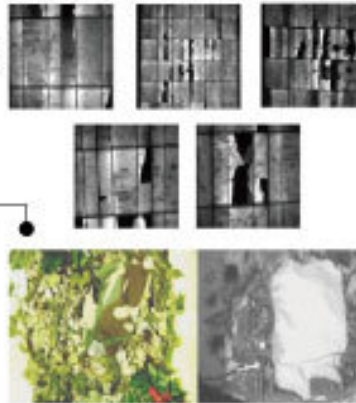
Short Wave Infrared Camera  
**SWIR-320DE3**

# SWIR-320DE3

The SWIR-320DE3 camera is short wave infrared camera made of InGaAs FPA. The spectrum response is from 900 to 1700 nm. It provides on-board Automatic Gain Control (AGC), Bad pixel replacement (BPR) and Non Uniformity correction (NUC).

## Applications

- Semiconductor Wafer Inspection
- Solar Cell inspection
- Machine Vision
- Laser Beam Profiling
- Camouflage Detection
- Moisture content in food
- Aircraft de-icing
- Near Infrared imaging
- Imaging spectroscopy

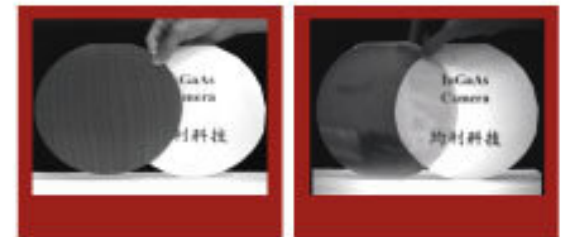


## Camera Specification

Detector	InGaAs
Array Format	320(H)x256(V)
Pixel Size	30x30 microns
Spectral Response	900-1700nm
Digital Data	12-bit
Frame Rate	30Hz
Operability	>99.9%
Power Connector	2.0mm Power Jack
Power Input	DC 12V
Operating Temperature Range	0-40°C
Pixel Rate	10 MHz
Quantum Efficiency	>70%
Vedio Connector	BNC
PC Interface	IEEE 1394

## Physical Specification

Height	69mmx67mmx88mm
Lens Mount	C-Mount



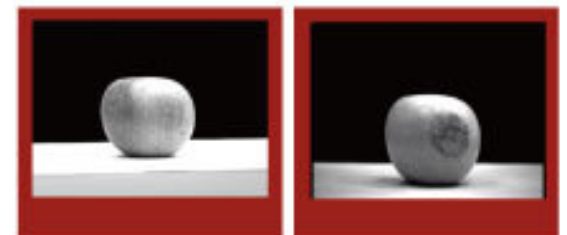
Silicon Wafer Inspection



Measurement of Plastics Fill levels



Thermal Imaging



Fruit Inspection