

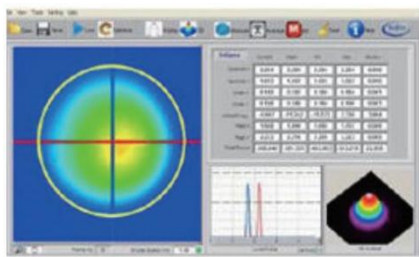
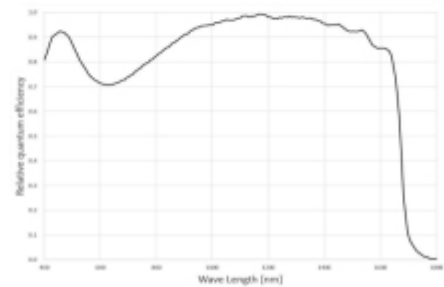
ZTS-SWSX5 SWIR Camera

SWIR Camera 1280, 0.4 ~ 1.7 μ m, with 5 μ m pixel pitch, which is convenient for optical lens selection. The camera has stable performance and high signal-to-noise ratio. It is a cost-effective camera suitable for laser spot detection, scientific research, UAV aerial photography, material sorting, semiconductor inspection and other industries.



- Resolution: 1280×1024 pixel
- Easy to operate
- Interface: CameraLink
- Maximum frame rate: 134fps@8bit / 72fps@12bit

■ Application



Laser and communication

Laser detection, laser spot measurement, adaptive optics, space optical communication, etc.

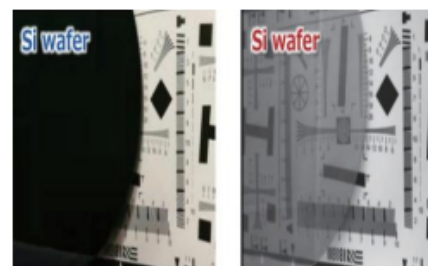


Color sorting, food sorting



UAV aerial photography

Through cloud, fog, smoke, water mist, day and night surveillance



Semiconductor inspection

Solar cell testing, silicon wafer crack testing, silicon content testing, etc.

■ Specification

Part #	ZTS-SWSX5 SWIR Camera
Sensor Type	InGaAs
Pixel Pitch	5 μ m

ZILLION-TECHS

DEDICATED TO INFRARED TECHNOLOGIES

Spectral Wavelength	0.4um ~ 1.7um
Resolution	1280 x 1024
Frame rate	134fps@8bit, 125fps@10bit, 74fps@12bit
Integration time	7μs ~ 1s
TEC	TE1
Working Temperature	0 ~ +55
Cooling set Temperature	15 (typ)
Storage Temperature	-40 ~ +80
Image Processing	Two point correction, dead pixel correction
Shutter Mode	Global shutter
Signal to noise ratio	51dB
Dynamic range	56dB
Readout noise	< 240e-@15
Gain	0dB ~ 42dB
Data depth	8bit/ 10bit / 12bit
Interface	Cameralink Medium
Optical interface	C-Mount
Working voltage	DC +8V ~ +24V
Power Consumption	< 8W (when TEC is on)
Dimension	72mm x 76mm x 65.6mm
Weight	500g

■ Mechanical Drawing

