

KGSMT30GI Short-wave Infrared Camera



- ◆ Resolution: 0.3 MP
- ◆ Frame Rate: 240 fps
- ◆ Mono/Color: Shortwave infrared
- ◆ Shutter: Global Shutter
- ◆ Data Interface: GigE

Enyo Technology 's short-wave infrared camera series is equipped with Sony's innovative SenSWIR InGaAs sensor, which responds to wavelengths of 0.4–1.7um and can capture images in multiple bands from visible light to SWIR. It is widely used in medical, fluorescence imaging, laser spot tracking imaging, semiconductor detection, solar cell detection, and hyperspectral imaging.

CHARACTERISTIC

- Response wavelength range 0.4–1.7um
- The camera comes with a 256MB high-speed cache
- Single camera for both visible and invisible light imaging
- Support Windows, Android, Linux, MacOS

SELECTION KEYPOINT

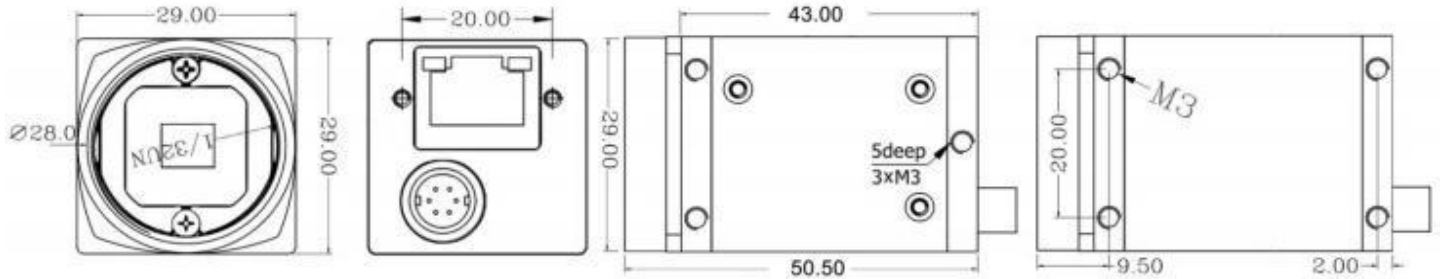
- Provide complete SDK development package and technical support
- Supports customization of appearance, structure and function
- The effective transmission distance is 100 metres
- Small, suitable for more application scenarios

TECHNICAL PARAMETER

Model	KGSMT30GI
Resolution	0.3MP
Type	0.3MP 1/4" Short-wave Infrared Camera
Sensor Type	CMOS
Sensor	IMX991
FPA Materials	InGaAs
Response band	0.4-1.7um
Shutter	Global Shutter
Resolution(HxV)	640x512
Frame Rate	240fps
Sensor size	1/4"
Pixel size	5.0μm x 5.0μm
SNR	-
Gain	24dB
Dynamic Range	-
Exposure Time	0.013-133ms
Sensitivity	7.3V/lux-s
Pixel Bit depth	8/10bit
Pixel Format	Mono 8/10 Bayer 8/10
Binning	Supports 1×1, 1×2, 2×1, 2×2
Image buffer	128M Bytes
User parameter area	4K Bytes
Capture mode	Continuous/Soft trigger/Hard trigger
Data Interface	GigE @ 1Gbp s
transmission distance	100m
Digital I/O	6-pin connector for power supply and I/O: One opto-isolated input, and two opto-isolated output
Power supply	12 VDC, supports PoE power supply
Power consumption	<3.0 W@12 VDC
Dimension	29mm x 29mm x 43mm (excluding len holder and interface)
Lens mount	C-mount / CS-mount
Ingress protection	IP30
Weight (typical)	66g
Temperature	Working temperature: 0 ° C to 50 ° C (32 ° F to 122 ° F) Storage temperature: -30 ° C to 70 ° C (-22 ° F to 158 ° F)
Humidity	20% to 80% RH, without condensation
Driver	DirectShow、Twain、Halcon、OCX
Software support	Halcon、OpenCV、LabView、Matlab
Development languages	C/C++、VB6、VB.net、Delphi6、C#、QT、C++Builder、LabView、Python

Operating system	Windows、Linux、Android、MacOS
Compatibility	GigE Vision 、GenICam

MECHANICAL SPECIFICATION



SPECTRUM CHART

